



OAW

Austrian Academy
of Sciences

Intellectual Capital Report 2012

Imprint

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» Foreword

In the current Intellectual Capital Report 2012 the Austrian Academy of Sciences presents its accomplishments as a research performing institution, a learned society and a promoter of young scientists.

The Intellectual Capital Report 2012 lists a great number of publications, high-level awards and prizes. The important role of the ÖAW (Austrian Academy of Sciences) as a high-performance non-university basic research organisation is also reflected in its successful competitive fund raising activity. Of particular importance is the acquisition of research projects of the European Research Council (ERC). In 2012, three ERC Starting Grants and one ERC Advanced Grant were won by ÖAW staff members. Currently, six ERC Advanced Grants, nine ERC Starting Grants and one Proof of Concept ERC-Grant are running at OeAW research units. It is encouraging that two START prizes of the Austrian Science Fund (FWF) could be won in 2012.

In addition, the OeAW has been very active in its role as a learned society. Its accomplishments and impact are laid down in the Intellectual Capital Report. The continued exchange and discussion of scientific knowledge, the identification of important scientific topics of future relevance as well as independent, science-based advice on social issues will remain among the top priorities on the agenda in the years to come.

With the aim to support young researchers and scientists, the OeAW organises eight funding programmes in all research areas. In the year 2012, 133 women and 91 men were promoted by the OeAW.

The year 2012 was also a time of restructuring: For the first time a performance agreement was signed between the Federal Ministry of Science and Research and the OeAW for the years 2012-2014. In the period under review the stagnant budget situation was one of the reasons for the OeAW to initiate essential reorganisation and priority measures. Sixteen smaller research units were combined to clusters thus forming major powerful institutes. Thirteen research units including 188 employees were transferred to Austrian universities.

All reform steps have been undertaken with the aim to focus and strengthen the OeAW in its role as a research performing institution, a learned society and a promoter of young scientists. The Intellectual Capital Report demonstrates the successful interaction of these three functions under one roof.

We would like to express our sincere thanks to all the members of the Academy, all the employees in the research units, and the administrative staff for their support in collecting, evaluating and interpreting the data which have been fed into this Intellectual Capital Report.

Helmut Denk, President of the Austrian Academy of Sciences

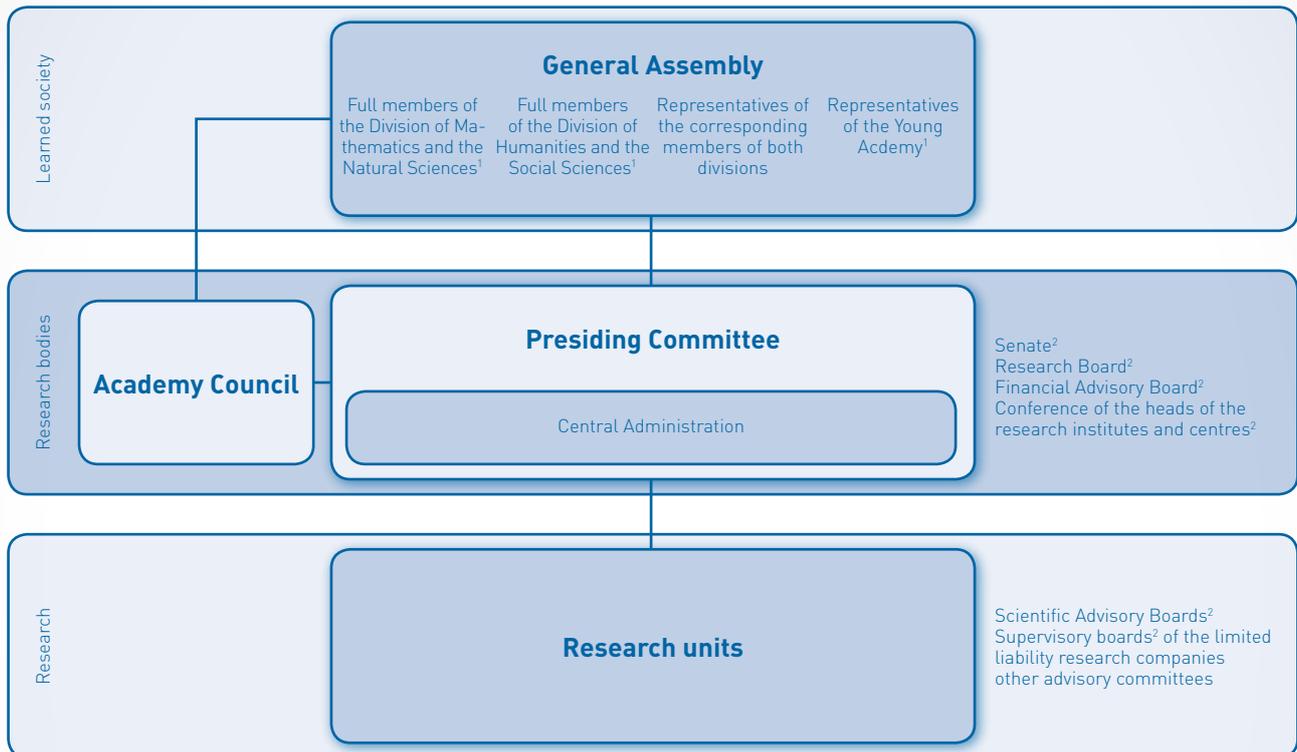
Arnold Suppan, Vice-President of the Austrian Academy of Sciences

» 1 The OeAW at a glance

1 The OeAW at a glance

1.1 Organisational chart of the OeAW

The bodies and institutions of the OeAW



¹ The full members of the Division of Mathematics and the Natural Sciences and the Division of Humanities and the Social Sciences as well as the Young Academy members constitute a separate representative body within the Academy.

² Advisory bodies

» 1 The OeAW at a glance

1.2 Key figures of the Intellectual Capital Report 2012 at a glance

1. The OeAW at a glance	2012	2011
Basic budget (in EUR '000)	96,586.8	93,310.9
Extraordinary basic funds (in EUR '000)	405.5	259.9
Third party funds (in EUR '000)	28,357.7	25,027.8
Other (in EUR '000)	8,949.9	10,487.1
Persons (head count)	1,344	1,423
Persons in full-time equivalents	1,163	1,225
2. The OeAW as a research performing organisation	2012	2011
Research projects in progress	2,029	2,117
Number of ongoing research projects with external partners	685	674
Number of EU projects in progress	70	65
Number of monographs or editions	81	72
Number of peer-reviewed papers in scientific journals or anthologies	1,257	1,378
Number of editorships	126	156
Number of lengthier papers without peer review	387	454
Number of other scientific publications	358	418
Scientific lectures/presentations	2,863	3,092
Intellectual property rights - number of patents	49	42
Organisation of scientific events	533	514
Popular science publications	418	496
Prizes and awards to staff members	75	69
Teaching at universities and universities of applied sciences	372	478
Young researchers at the OeAW (head count)	720	712
Floor space of the research units in m ²	52,057	57,604
External assessors	142	196
Number of stays abroad	1,835	1,999
Participation of scientific staff at conferences	4,682	5,199
Number of functions exercised by scientific staff for scientific journals and book series	1,235	1,166
3. The OeAW as a learned society	2012	2011
Number of members actively scientifically involved in OeAW research units	168	180
Number of members acting in advisory capacity in the SABs and supervisory boards of Academy research units	38	39
Number of all members	753	739
Number of all newly elected members	38	54
4. The OeAW as promoter of young researchers	2012	2011
Number of PhDs and habilitations completed one year after end of fellowship	61	68
Number of young researchers promoted	224	237
Number of external assessors involved in programmes for the promotion of young researchers	508	552
5. Service facilities of the OeAW	2012	2011
Staff in the central administration (head count)	93	94
Library: book movements	7,472	8,882
Staff in library and archive (head count)	17	14
Manuscripts to be published by AAS Press	48	71
New publications by AAS Press	76	87
Staff in AAS Press (head count)	10	10

1.3 Transfers and closures at the OeAW

» 1 The OeAW at a glance

1.3 Transfers and closures at the OeAW

Mathematics, Natural and Technical Sciences ³ - Transfers to universities						
Institute	Budget	Extraord. basic funds	Third-party funds	Persons (h. c.)	Incorporating institution	Date of transfer
Institute for Geographic Information Science (Salzburg)	255,923.0 €	0.0 €	103,347.7 €	12	University of Salzburg	01/08/2012
Erich-Schmid-Institute of Materials Science (Leoben) - research group of Dr. Anton Hohenwarter	257,236.5 €	0.0 €	25,000.0 €	9	Montanuniversitaet Leoben	01/08/2012
Institute for Limnology (Mondsee)	979,423.0 €	0.0 €	415,217.7 €	30	University of Innsbruck	01/09/2012
Institute for Biomedical Aging Research (Innsbruck)	1,097,872.0 €	0.0 €	677,063.9 €	41	University of Innsbruck	01/09/2012
Institute of Biophysics and Nanosystems Research (Graz)	1,232,063.0 €	0.0 €	196,389.6 €	25	Three universities in Graz	01/10/2012
Institute for Integrated Sensor Systems (Wr. Neustadt)	578,792.0 €	0.0 €	428,688.0 €	20	Danube University Krems	01/01/2013
Total	4,401,309.5 €	0.0 €	1,845,706.9 €	137		

Mathematics, Natural and Technical Sciences - Closures						
Institute	Budget	Extraord. basic funds	Third-party funds	Persons (h. c.)		Date of closure
Centre for Geosciences (Vienna)	228,409.0 €	0.0 €	107,349.6 €	3		31/12/2012
<i>of which Commission for the Paleontological and Stratigraphical Research of Austria (Vienna)</i>	<i>119,909.0 €</i>	<i>0.0 €</i>	<i>97,349.6 €</i>	<i>2</i>		<i>31/12/2012</i>
<i>of which Commission for Geophysical Research (Innsbruck)</i>	<i>11,000.0 €</i>	<i>0.0 €</i>	<i>0.0 €</i>	<i>0</i>		<i>31/12/2012</i>
<i>of which Commission for Basic Research on Mineral Raw Materials (Leoben)</i>	<i>17,500.0 €</i>	<i>0.0 €</i>	<i>0.0 €</i>	<i>0</i>		<i>31/12/2012</i>
<i>of which Commission for Quaternary Research (Vienna)</i>	<i>26,000.0 €</i>	<i>0.0 €</i>	<i>0.0 €</i>	<i>0</i>		<i>31/12/2012</i>
Commission for Astronomy (Vienna)	13,571.0 €	0.0 €	0.0 €	1		31/12/2012
Commission for the History of Natural Sciences, Mathematics and Medicine (Vienna)	33,850.0 €	0.0 €	0.0 €	1		31/12/2012
Commission for Interdisciplinary Ecological Studies (Vienna)	82,090.0 €	0.0 €	2,280.0 €	2		31/12/2012
Clean Air Commission (Vienna)	31,669.0 €	0.0 €	24,756.2 €	1		31/12/2012
Total	389,589.0 €	0.0 €	134,385.7 €	8		

³ Abbreviation: MN-cluster

» 1 The OeAW at a glance

Humanities, Social and Cultural Sciences ⁴ - Transfers to universities						
Institute	Budget	Extraord. basic funds	Third-party funds	Persons (h. c.)	Incorporating institution	Date of transfer
Commission for Editing the Corpus of the Latin Church Fathers (CSEL) (Vienna)	57,200.0 €	0.0 €	0.0 €	2	University of Salzburg	01/07/2012
Institute for Medieval and Early Modern Material Culture (Krems)	417,264.0 €	70,000.0 €	137,746.7 €	9	University of Salzburg	01/11/2012
Commission for Austrian Legal History (Vienna)	33,775.0 €	0.0 €	38,780.6 €	6	University of Vienna	01/04/2012
Institute for European Integration Research (Vienna)	183,875.0 €	0.0 €	17,616.9 €	17	University of Vienna	01/04/2012
Commission for Linguistics and Communication Research (Vienna)	133,475.0 €	0.0 €	30,184.0 €	2	University of Vienna	01/04/2012
Commission for Comparative Media and Communication Studies (Vienna)	361,959.0 €	0.0 €	42,686.6 €	2	Partial transfer to the University of Klagenfurt	01/01/2013
Institute for European Tort Law (Vienna)	420,500.0 €	0.0 €	3,500.0 €	4	Partial transfer to the University of Graz	01/01/2013
Total	1,608,048.0 €	70,000.0 €	270,514.9 €	51		

Humanities, Social and Cultural Sciences - Closures						
Institute	Budget	Extraord. basic funds	Third-party funds	Persons (h. c.)		Date of closure
Commission for Migration and Integration Research (Vienna)	28,564.0 €	0.0 €	23,283.5 €	1		31/12/2012
Total	28,564.0 €	0.0 €	23,283.5 €	1		

In 2012 (resp. as of 01/01/2013) 13 OeAW research units comprising 188 staff members were transferred completely or in part to Austrian universities. In 2012, these units received a budget of EUR 6,009,357.5 and raised third-party funds totalling EUR 2,116,221.8.

Ten OeAW research units (commissions having 1-2 staff members) were closed down as of 31/12/2012. The persons concerned were assigned to other services.

⁴ Abbreviation: HS-cluster

» 1 The OeAW at a glance

1.4. The OeAW's financial and human potential

Basic budget 2012		
	Absolute	%
Basic budget 2012 (in EUR '000)	96,586.8	100 %
of which funds from		
· Federal Ministry of Science and Research - budget according to performance agreement	88,836.8	92.0 %
· Federal Ministry of Science and Research - initiative funds for reorganisation purposes	5,750.0	6.0 %
· National Foundation	2,000.0	2.0%
of which funds for:		
· Learned society	395.0	0.4 %
· Research performing units	71,652.4	74.2 %
· of which Mathematics, Natural and Technical Sciences (MN-cluster) ⁵	56,043.5	58.0 %
· of which Humanities, Social and Cultural Sciences (HS-cluster) ⁵	15,608.9	16.2 %
· Young scientists funding programme	6,853.6	7.1 %
· Central administration	7,557.9	7.8 %
· Library and archive	641.7	0.6 %
· Building activities, ICT	1,594.0	1.7 %
· International programmes	1,920.0	2.0 %
· Contributions and memberships	4,438.0	4.6 %
· Research centres and projects (assignment)	765.4	0.8 %
· Platform historical political archives (assignment)	259.8	0.3 %
· Carry forward to coming years ⁶	509.0	0.5 %

Special and additional funds

Alongside the funding set out above, the Austrian Federal Ministry of Science and Research made the following budgetary commitments to the OeAW as specified in the performance agreement:

- » direct financing for personnel expenditure (including travel costs) for the federal employees (civil servants and contracted staff) seconded to the OeAW, in the amount of EUR 3,400,000
- » indirect financing for rental expenses in the amount of EUR 650,000
- » indirect financing for access to ACOnet in the amount of EUR 127,200

In addition, in 2012 the Austrian Federal Ministry of Science and Research provided the sum of EUR 5,155,000 to enable the OeAW to meet the costs incurred by delays, which were beyond its control, due to the reorganisation process.

⁵ In the present Intellectual Capital Report the Austrian Academy of Sciences is divided into the clusters Mathematics, Natural and Technical Sciences (MN-cluster) and Humanities, Social and Cultural Sciences (HS-cluster). Unless otherwise indicated, the data of the scientific subsidiaries IMBA, GMI and CeMM are included in the MN-cluster.

⁶ Since the Academy funds coming from the global budget are not index-linked, it is recommended to build reserves for coming price increases.

» 1 The OeAW at a glance

Origin of the total budget				
	Total	of which MN-cluster	of which HS-cluster	of which Ac. as a w.
Basic budget 2012 (in EUR '000)	96,586.8	56,043.5	15,608.9	24,934.4
Extraordinary basic funds 2012 (in EUR '000)	405.5	300.0	105.5	0.0
of which acquired from				
• Federal states (excl. Vienna)	364.0	300.0	64.0	0.0
· Lower Austria	44.0	0.0	44.0	0.0
· Tyrol	20.0	0.0	20.0	0.0
· Upper Austria	200.0	200.0	0.0	0.0
· Vorarlberg	100.0	100.0	0.0	0.0
• State/City of Vienna	13.0	0.0	13.0	0.0
• Municipalities (excl. Vienna)	28.5	0.0	28.5	0.0
Third-party funds 2012 (in EUR '000)	28,357.7	22,030.0	5,519.9	807.8
of which acquired from				
• Austrian private and public enterprises, public enterprises (transport and public services), banks, insurance companies	917.3	917.3	0.0	0.0
• Anniversary Fund of the Austrian Central Bank	188.6	55.8	82.8	50.0
• Federal Government (excl. research premium)	1,380.9	1,315.7	51.4	13.8
• Federal States (excl. Vienna)	227.0	71.5	95.5	60.0
· Burgenland	0.3	0.0	0.3	0.0
· Carinthia	0.5	0.0	0.5	0.0
· Lower Austria	65.8	11.0	54.8	0.0
· Upper Austria	33.4	0.0	33.4	0.0
· Salzburg	5.0	0.0	5.0	0.0
· Styria	76.9	15.9	1.0	60.0
· Tyrol	45.1	44.6	0.5	0.0
• State/City of Vienna	998.2	606.8	275.0	116.4
• Municipalities (excl. Vienna)	1.0	1.0	0.0	0.0
• Chambers	4.0	4.0	0.0	0.0
• FFG Austrian Research Promotion Agency (only subsidies, no loans)	1,223.0	1,201.1	14.4	7.5
• FWF Austrian Science Fund	9,624.5	5,938.5	3,480.2	205.8
· Personnel funding	8,315.6	5,226.6	3,017.0	72.0
· Material funding	979.9	609.3	370.6	0.0
· Overheads	329.0	102.6	92.6	133.8
• Other public bodies, foundations	3,156.1	2,693.0	159.6	303.5
• Funds from private non-profit institutions and funds from private households (private persons)	1,320.9	715.7	554.4	50.8
• International Organisations, e.g. ESA, FAO, OECD, UNESCO, even if the headquarters are in Austria (e.g. IAEA, UNIDO)	944.9	944.6	0.3	0.0
• EU funding	6,296.1	5,491.3	804.8	0.0
• Funding from foreign enterprises	70.4	68.9	1.5	0.0
• Amounts materially attributable to but not received by the OeAW	2,004.8	2,004.8	0.0	0.0
Other funds 2012 (in EUR'000)	8,949.9	8,063.1	195.5	691.3
· Tax premiums	2,382.6	2,382.6	0.0	0.0
· Exploitation of patents	7.7	7.7	0.0	0.0
· Sale of research services	150.3	136.5	9.1	4.7
· Service and consulting	4,263.2	4,250.1	13.1	0.0
· Other in-payments	2,146.1	1,286.2	173.3	686.6
Total	134,299.9	86,436.6	21,429.8	26,433.5

» 1 The OeAW at a glance

In 2012, the total finance volume of the OeAW added up to EUR 134,299,900.

These resources include the basic budget in the amount of EUR 96,586,800, extraordinary basic funds in the amount of EUR 405,500, third-party funds in the amount of EUR 28,357,700 and other funds in the amount of EUR 8,949,900.

The basic budget is allocated to the Academy by the Federal Ministry of Science and Research according to the performance agreement 2012-2014 concluded between the Federal Ministry of Science and Research and the OeAW. Extraordinary basic funds are means intended for the financing of the day-to-day operation of the Academy (incl. investments) but not allocated by the Federal Ministry of Science and Research. Extraordinary basic funds are not intended for a special research project but support the OeAW in general or a particular Academy research unit. Extraordinary basic funds are part of the institutional funding.

Third-party funds are means acquired for the financing of particular research projects typically raised by competition. They are allocated to the research units by public or private sources and - unlike basic funds and extraordinary basic funds - are not intended for the funding of the institution. The third-party funds totalling EUR 28,357,700 include real inflow to the OeAW in the amount of EUR 26,352,900 and sums materially attributable but not received by the OeAW adding up to EUR 2,004,800.

EUR 27,549,900 were allocated to OeAW research units, of which EUR 22,030,000 to the MN-cluster and EUR 5,519,000 to the HS-cluster.

EUR 807,800 were related to the Academy as a whole including the funds of the National Foundation for New Frontier Groups (EUR 250,000), shares of FWF overheads (EUR 133,800), funds for fellowship programmes (EUR 92,500), and other third-party funds not assignable to research units.

Other funds 2012:

In 2012, the limited liability research companies IMBA, GMI und CeMM benefitted from tax premiums in form of research premiums.

Sales of research services include licensing proceeds (EUR 31,000), conference fees (EUR 24,600), sales of DNA sequence analyses (EUR 78,000) and sale of inventory (EUR 16,700).

Income from service and consulting includes settlements of service costs by IMBA and GMI (EUR 3,591,400), consulting supplied by IMBA (EUR 615,600), and proceeds from audit commissions and expert opinion reports (EUR 56,200).

The other in-payments were reimbursements and recharging of costs (EUR 857,600), rental income (EUR 202,100), and miscellaneous funds (EUR 1,086,400).

» 1 The OeAW at a glance

OeAW staff in 2012								
Average number of staff in 2012	Total		of which MN-cluster		of which HS-cluster		of which Administration ⁷	
	m.	f.	m.	f.	m.	f.	m.	f.
Staff (annual average)	1,344		824		400		120	
	744	600	507	317	188	212	49	71
	55.36 %	44.64 %	61.53 %	38.47 %	47.00 %	53.00 %	40.83 %	59.17 %
Full-time equivalents	1,162.57		465.06		161.60		46.45	
of which:	778.65		307.95		109.32		37.95	
· Academy-funded	778.65		307.95		109.32		37.95	
of which:	361.39		163.26		45.11		11.71	
· fixed term	361.39		163.26		45.11		11.71	
· unlimited	417.26		144.69		64.21		26.24	
· funded by third parties	345.85		155.53		42.45		44.82	
· seconded federal employees	38.07		1.58		9.83		10.16	
· scientific staff	819.02		357.18		155.34		2.81	
· non-scientific staff	343.55		107.88		6.26		43.64	

New allocation of funds within the programme for the promotion of young researchers		
Programmes for the promotion of young researchers	Funds available in 2012 in EUR'000	Share of basic budget of OeAW publicly financed career building activities
APART ⁸	2,123.1	30.0 %
APART-urban	50.0	0.7 %
DOC ⁸	1,960.1	27.7 %
DOC-urban	30.0	0.4 %
DOC-fFORTE ⁸	1,744.5	24.6 %
DOC-team ⁸	988.0	14.0 %
ROM ⁸	37.9	0.5 %
Vienna Anniversary Fund	80.0	1.1 %
Styria programme for the promotion of young researchers	60.0	0,8 %
AGRANA	12.5	0.2 %
Total	7,086.1	100.0 %

The funding of the programme for the promotion of young researchers (fellowships) comes mainly from the Federal Ministry of Science and Research. Additional grants are provided by the City of Vienna, the federal state of Styria, and the AGRANA Beteiligungs-AG.

⁷ Included are: central administration, library & archive, Austrian Academy of Sciences Press, works council

⁸ Part of the Academy's basic budget

» 1 The OeAW at a glance

Ten APART-, 40 DOC- and six DOC-team-fellowships were awarded in 2012. This corresponds to a financing volume of some EUR 7,000,000, to be paid to the recipients over the period from 2013 to 2015. Since 2009, a temporary cover system is being applied to all fellowship programmes (APART, DOC, DOC-fFORTE, DOC-team): the amount paid out each year corresponds essentially to the annual requirements.

Funding from sponsors and patrons

In 2012, EUR 187,500 was raised for the fellowship programmes, plus a further EUR 69,000 for prizes for young researchers funded by private foundations.

Income from sponsors and foundations/endowments for the purpose of promoting young researchers		
Income from sponsors and foundations/ endowments for the purpose of promoting young researchers	Income in EUR '000	Sponsor/ Foundation
Total of which for the programme for the promotion of young researchers:	256.5	
MAX KADE	187.5	Max-Kade-Foundation, New York
Palaeobiology Prize	3.7	Erich Thenius-endowment
Edmund and Rosa Hlawka-Prize	1.9	Edmund and Rosa Hlawka-endowment
Karl Schlögl-Prize	2.0	Rosemarie Schlögl
Anniversary Prize of the Böhlau-Verlag Vienna	3.5	Böhlau Verlag Vienna
Dissertation Prize for Migration Research	2.2	Rainer Bauböck-endowment
Richard G. Plaschka-Prize	3.7	Richard G. Plaschka legacy
Bader-Prize for the History of the Natural Sciences	13.0	Alfred and Isabel Bader
Bader-Prize for Art History	13.0	Alfred and Isabel Bader
Ignaz L. Lieben-Award	26.0	Alfred and Isabel Bader

» 1 The OeAW at a glance

1.5 Selected financial items

Personnel expenditure				
in EUR '000	Total	of which MN-cluster	of which HS-cluster	of which Administration
Total expenditure 2012	68,230.7	44,631.5	17,726.5	5,872.7
· of which Academy funded	49,591.9	30,875.7	12,850.1	5,866.1
· of which funded by third parties	18,638.8	13,755.8	4,876.4	6.6
· of which scientific	53,387.1	36,641.9	16,317.0	428.2
· of which non-scientific	14,843.6	7,989.6	1,409.5	5,444.5

A total of EUR 2,071,600 was spent on research-related services by third parties, of which EUR 1,915,500 came from own funds and EUR 786,600 from third-party funds.

Not included in this table are expenditure for personnel hired by third parties, disability compensatory tax, subsidies to works council fund, health fund, social fund, social security expenses, and other personnel expenditure in the amount of EUR 1,200,000 as well as personnel expenditure for EURATOM Office, Yamashita Group, IFAC and IFIP in the amount of EUR 500,000.

Investments in buildings				
	Total	of which MN-cluster	of which HS-cluster	of which invested centrally ⁹
in EUR '000	279.9	244.6	0	35.3

Investments in equipment				
	Total	of which MN-cluster	of which HS-cluster	of which invested centrally ⁹
in EUR '000	7,672.4	7,336.3	128.4	207.7

⁹ It should be noted that part of the central investment budget was allocated to buildings and equipment of research units.

» 1 The OeAW at a glance

Allocation of funds within the programme for the promotion of young researchers

The table shows the level of finance used to promote men and women in the year 2012.

54 percent of the funds were given to women. Within the publicly financed fellowships, 56 percent were given to female doctoral students and female Post-docs. This represents a slight increase compared to the previous year.

During the reporting period, eleven prizes funded by private foundations were awarded, two were granted to young female scientists.

Allocation of funds within the programme for the promotion of young researchers with regard to gender			
	Funds available in EUR '000		
	Total	m.	f.
Total amount allocated to the programme for the promotion of young researchers	6,599.0	3,036.2	3,562.8
for:			
· APART	1,962.5	1,322.2	640.3
· DOC	1,628.4	1,044.5	583.9
· DOC-fORTE	1,547.0	-	1,547.0
· DOC-team	857.4	246.0	611.4
· ROM	27.0	9.0	18.0
· MAX KADE	337.5	262.5	75.0
· L'ORÉAL-fellowship programme	80.0	-	80.0
· Vienna Anniversary Fund for the OeAW	79.6	79.6	-
· Best Paper Award (MN-cluster)	3.7	3.7	-
· Award for the Best Publication (HS-cluster)	3.7	3.7	-
· Edmund and Rosa Hlawka-Prize	1.9	1.9	-
· Karl Schlögl-Prize	3.7	3.7	-
· Palaeobiology Prize	3.7	3.7	-
· Richard G. Plaschka-Prize	3.7	3.7	-
· Dissertation Prize for Migration Research	3.7	-	3.7
· Anniversary Prize of the Böhlau Verlag Vienna	3.5	-	3.5
· Bader-Prize for Art History	13.0	13.0	-
· Bader-Prize for the History of the Natural Sciences	13.0	13.0	-
· Ignaz L. Lieben-Award	26.0	26.0	-

2.1 Accomplishments of the research performing organisation

» 2 The OeAW as a research performing organisation

2 The OeAW as a research performing organisation

In its role as a research performing organisation, the OeAW conducts international competitive top-level applied research in the fields of Mathematics, Natural and Biological Sciences as well as in Humanities, Cultural and Social Sciences. The work accomplished at the OeAW research units is highly appreciated in Austria and abroad. This can be seen among others in high class publications, appointments, awarding of renowned prizes and the successful competitive fund raising.

In the framework of the reform and reorganisation process of the OeAW large-scale changes took place in 2012 in the 63 research institutions existing at the beginning of the year. Thirteen OeAW institutions and OeAW research groups were transferred to several Austrian universities in the course of the year or as of 01/01/2013. Through amalgamation of 16 smaller research institutions three new institutes were created, and one commission was transformed into an institute (as of 01/01/2013). As of 31/12/2012 nine commissions were closed. At 31 December 2012 the OeAW managed a total of 28 research institutions, including three scientific subsidiaries¹⁰.

2.1 Accomplishments of the research performing organisation

Research portfolio			
Classification of all research projects in progress in 2012 in % by field of research	Total	MN-cluster	HS-cluster
Types of research:			
· basic research	87.3	79.2	91.8
· applied research	10.0	14.5	7.5
· experimental development	2.7	6.3	0.7
Socio-economic research objectives:			
1. Promotion of the exploration of Earth, the oceans, atmosphere and space	9.5	24.3	1.4
2. Promotion of agriculture and forestry	0.0	0.0	0.0
3. Promotion of retail, trade and industry	0.4	1.1	0.0
4. Promotion of the generation, storage and distribution of energy	0.2	0.4	0.1
5. Promotion of transport, traffic and telecommunications	0.5	1.4	0.0
6. Promotion of education and learning	1.9	2.0	1.9
7. Promotion of health care	9.2	25.7	0.2
8. Promotion of urban and regional planning	0.2	0.3	0.2
9. Promotion of environmental protection	0.4	1.3	0.0
10. Promotion of national defence	0.0	0.1	0.0
11. Promotion of other objectives	5.3	6.0	4.9
12. Promotion of general expansion of knowledge	69.1	34.0	88.0
13. Promotion of social and socio-economic development	3.3	3.4	3.3

¹⁰ The three scientific subsidiaries - IMBA, GMI and CeMM - are assigned to the MN-cluster. In the present Intellectual Capital Report, unless otherwise stated, they are included in the MN-cluster tables and charts.

2.1 Accomplishments of the research performing organisation

» 2 The OeAW as a research performing organisation

Ongoing research projects			
	Total	of which MN-cluster	of which HS-cluster
Number of research projects in progress in 2012	2,029	715	1,314
of which:			
· Academy funded	765	216	549
· funded by third parties	1,264	499	765

Degree of interdisciplinarity			
	Total	MN-cluster	HS-cluster
Percentage of interdisciplinary projects in research projects in progress in 2012 per field of research	50.07 %	36.08 %	57.69 %

Project duration			
	Total	MN-cluster	HS-cluster
Percentage of short, medium and long-term projects of the research projects in progress in 2012			
· Short-term projects (< 1 year)	6.51	7.13	6.16
· Medium-term projects (1–3 years)	26.56	32.31	23.44
· Long-term projects (> 3 years)	66.93	60.56	70.40

Scientific cooperations

In 2012, the OeAW had 1,825 cooperation partners in research of which 933 in MN-cluster and 892 in HS-cluster.

Research projects with external partners			
	Total	of which MN-cluster	of which HS-cluster
Number of research projects with external partners in 2012	685	288	397
of which EU projects	70	56	14
Cooperation partners:			
· universities	1,058	502	556
· non-university R&D institutions	389	208	181
· private sector economy	99	81	18
· public sector	36	21	15
· international organisations	15	6	9
· scientific expert societies	27	8	19
· research promotion agencies	20	13	7
· other external units	181	94	87
Partner's institution of origin:			
· in Austria	390	180	210
· within the EU (excl. Austria)	971	530	441
· outside the EU	464	223	241

» 2 The OeAW as a research performing organisation

Participation of OeAW research units in the EU Framework Programmes:

The very successful participation of the OeAW research units in the EU Framework Programmes was continued in 2012 within the 7th EU Framework Programme. In 2012, OeAW research units were involved in a total of 70 EU projects. Of these, 65 projects were part of the 7th EU Framework Programme, one project was part of the 6th Framework Programme, a further 4 projects were part of other EU subsidy programmes. The OeAW acted as coordinator in 27 of these projects.

The particularly pleasing performance of the OeAW in acquiring research projects of the European Research Council (ERC) must be emphasized. At the moment, 6 ERC Advanced Grants, 9 ERC Starting Grants and 1 Proof of Concept ERC-Grant are running at the OeAW research institutions. 16 ongoing ERC-Grants at the OeAW means - for the first time - second grade among Austrian research institutions incl. universities. The project volume of all OeAW-ERC Grants since 2007 amounts to the sum of EUR 24,300,000 by now.

The members of the learned society have also been very successful in acquiring ERC Grants since the European Research Council came into existence. About half of the Austrian ERC grants (43 out of 91) were won by persons having close relations to the OeAW, 25 members of the Young Academy received ERC Starting Grants.

Scientific publications			
	Publication type	MN-cluster	HS-cluster
	Monographs or (source) editions	17	64
A.	Peer-reviewed papers in scientific journals or anthologies - of which in indexed journals or other first class journals of the research field	842	415
		708	126
B.	Editorships	16	110
	Lengthier papers without peer review in scientific journals or anthologies	62	325
C.	Other scientific publications	166	192

In addition, 325 encyclopaedia entries were written and published in the field of the Humanities and Social and Cultural Sciences which are not listed as separate publications in the above table.

Nearly 800 publications by OeAW staff – mainly from the research units of the MN-cluster – were included in the Web of Science (© 2009 Thomson Reuters), a slight decrease in number as against the previous year. The OeAW research units most frequently represented in the Web of Science in 2012 are the Institute for High Energy Physics, the Institute for Space Research, the Institute for Quantum Optics and Quantum Information, the CeMM – Research Center for Molecular Medicine, and the IMBA – Institute of Molecular Biotechnology. Overall, OeAW publications were cited over 27,500 times in 2012 according to the Web of Science, with over 16,500 citations referring to publications in the last five years. Both figures reflect a continuous trend of rising citation numbers.

» 2 The OeAW as a research performing organisation

One third of the publications of Academy staff listed in the Web of Science in 2012 was made in collaboration with authors from Germany, followed by coauthorships with colleagues from the USA, France, Switzerland, Russia, Great Britain, and China. Overall, the publication list of OeAW publications includes authors from research institutions of more than 70 countries.

Listed hereafter are some national and international publishing houses in which HS-cluster research units published in the year 2012 (selection):

- Austrian Academy of Sciences Press
- Böhlau Verlag, Vienna
- Praesens Verlag, Vienna
- Vienna University Press
- Ashgate, London
- Brill, The Netherlands
- Cambridge University Press
- LIT-Verlag, Berlin-Vienna
- Manchester University Press
- MIT Press, Cambridge
- Oxford University Press
- Routledge, London
- Springer, Germany

Scientific lectures and poster presentations			
	Type of event	MN-cluster	HS-cluster
A.	Invited scientific lectures	632	805
	· of which at international events	538	548
B.	Other scientific lectures	717	356
	· of which at international events	568	255
C.	Scientific poster presentations	288	65
	· of which at international events	244	61

» 2 The OeAW as a research performing organisation

Biomedical cluster

- Breath Research Institute (Dornbirn)
- Institute for Biomedical Aging Research (Innsbruck)
(Transfer to the University of Innsbruck as of 01/09/2012)
- Institute of Biophysics and Nanosystems Research (Graz)
(Transfer to the Karl-Franzens-University of Graz, the Technical University of Graz, and the Medical University of Graz as of 01/10/2012 and 01/11/2012)
- CeMM – Research Center for Molecular Medicine (Vienna)
- IMBA – Institute of Molecular Biotechnology (Vienna)

Biomedical cluster		m.	f.
Average number of staff in 2012 (incl. seconded federal employees)		155	185
Number of full-time equivalents of which:		145.4	164.1
· scientific staff		101.9	106.0
· of which young researchers		58.4	61.4
Basic budget (in EUR '000) ¹¹		23,455.0	
Occupancy costs (in EUR '000)		357.8	
Occupancy costs of limited liability research companies (incl. in basic budget) ¹²		5,852.9	
Third-party funds (in EUR '000)		10,569.2	
Third-party share ¹³		60.05 %	
Ongoing research projects in 2012		204	
Publications			
A.	Peer-reviewed papers in scientific journals or anthologies	179	
	· of which in indexed journals	156	
	Monographs or editions	1	
B.	Lengthier papers without peer review in journals or anthologies	0	
	Editorships	0	
C.	Other scientific publications	4	
Lectures			
A.	Invited scientific lectures	126	
	· of which at international events	117	
B.	Other scientific lectures	31	
	· of which at international events	29	
C.	Scientific poster presentations	32	
	· of which at international events	30	

The impact factors for papers from the biomedical cluster published in 2012 in peer-reviewed journals covered by the Web of Science (© Thomson Reuters) show an average of about 7.3 per publication (state of impact factors 2011). For 100 of the 222 contributions, the main authorship, i.e. first or last authorship, lies with OeAW staff.

¹¹ The basic budget - except for the three limited liability research companies - is composed of material and personnel expenditure. The budget for occupancy costs is allocated separately.

¹² The occupancy costs of the limited liability research companies do not include sales tax since the companies are entitled to tax deduction (Vorsteuerabzugsberechtigung).

¹³ In all tables concerning clusters or centres, the percentage of third-party funds is defined as the proportion between the total third party funds awarded to the respective research units and the basic budget of the said research units in 2012.

» 2 The OeAW as a research performing organisation

Molecular, cellular and organ biology and ecosystem research cluster

- GMI – Gregor Mendel Institute of Molecular Plant Biology (Vienna)
- Institute for Limnology (Mondsee)
(Transfer to the University of Innsbruck as of 01/09/2012)

Molecular, cellular and organ biology and ecosystem research cluster		
	m.	f.
Average number of staff in 2012 (incl. seconded federal employees)	64	56
Number of full-time equivalents	58.4	49.1
of which:		
· scientific staff	43.1	29.7
· of which young researchers	26.3	17.6
Basic budget (in EUR '000) ¹¹	10,459.3	
Occupancy costs (in EUR '000)	119.0	
Occupancy costs of the limited liability research companies (incl. in basic budget) ¹²	1,054.0	
Third party funds (in EUR '000)	1,700.1	
Third-party share ¹³	18.08 %	
Ongoing research projects in 2012	67	
Publications		
A.	Peer-reviewed papers in scientific journals or anthologies	55
	· of which in indexed journals	50
	Monographs or editions	1
B.	Lengthier papers without peer review in journals or anthologies	0
	Editorships	1
C.	Other scientific publications	4
Lectures		
A.	Invited scientific lectures	55
	· of which at international events	54
B.	Other scientific lectures	44
	· of which at international events	20
C.	Scientific poster presentations	32
	· of which at international events	32

The impact factors for papers from the molecular, cellular and organ biology and ecosystem research cluster published in 2012 in peer-reviewed journals covered by the Web of Science (©Thomson Reuters) show an average of about 7.9 per publication (state of impact factors 2011). For 25 of 49 contributions, the main authorship, i.e. first or last authorship, lies with OeAW staff.

» 2 The OeAW as a research performing organisation

Mathematics, informatics, simulation, measurement technology and acoustics cluster

- Institute for Integrated Sensor Systems (Wiener Neustadt)
(Transfer to the Danube University Krems as of 01/01/2013)
- Acoustics Research Institute (Vienna)
- Johann Radon Institute for Computational and Applied Mathematics (Linz)
- Institute for Geographic Information Science (Salzburg)
(Transfer to the University of Salzburg as of 01/08/2012)

Mathematics, informatics, simulation, measurement technology and acoustics cluster		
	m.	f.
Average number of staff in 2012 (incl. seconded federal employees)	85	17
Number of full-time equivalents	73.6	11.8
of which:		
· scientific staff	67.9	8.5
· of which young researchers	30.3	5.4
Basic budget (in EUR '000) ¹¹	3,982.6	
Occupancy costs (in EUR '000)	676.8	
Third party funds (in EUR '000)	1,576.1	
Third-party share ¹³	39.57 %	
Ongoing research projects in 2012	136	
Publications		
A.	Peer-reviewed papers in scientific journals or anthologies	169
	· of which in indexed journals	111
	Monographs or editions	5
B.	Lengthier papers without peer review in journals or anthologies	11
	Editorships	8
C.	Other scientific publications	39
Lectures		
A.	Invited scientific lectures	135
	· of which at international events	102
B.	Other scientific lectures	132
	· of which at international events	86
C.	Scientific poster presentations	23
	· of which at international events	18

» 2 The OeAW as a research performing organisation

Physics, space research and materials sciences cluster

- Erich Schmid Institute of Materials Science

(Transfer of the research group of Dr. Anton Hohenwarter to the Montanuniversitaet Leoben as of 01/08/2012)

- Institute for High Energy Physics (Vienna)
- Institute for Quantum Optics and Quantum Information
 - Institute for Quantum Optics and Quantum Information - Innsbruck
 - Institute for Quantum Optics and Quantum Information - Vienna
- Stefan Meyer Institute for Subatomic Physics (Vienna)
- Space Research Institute (Graz)

Physics, space research and materials sciences cluster		
	m.	f.
Average number of staff in 2012 (incl. seconded federal employees)	188	45
Number of full-time equivalents	173.5	34.8
of which:		
· scientific staff	131.0	15.9
· of which young researchers	53.8	10.9
Basic budget (in EUR '000) ¹¹	13,634.2	
Occupancy costs (in EUR '000)	1,487.5	
Third party funds (in EUR '000)	6,798.7	
Third-party share ¹³	49.87 %	
Ongoing research projects in 2012	227	
Publications		
A.	Peer-reviewed papers in scientific journals or anthologies	402
	· of which in indexed journals	368
	Monographs or editions	5
B.	Lengthier papers without peer review in journals or anthologies	26
	Editorships	2
C.	Other scientific publications	44
Lectures		
A.	Invited scientific lectures	268
	· of which at international events	229
B.	Other scientific lectures	460
	· of which at international events	391
C.	Scientific poster presentations	182
	· of which at international events	145

» 2 The OeAW as a research performing organisation

Research units not organised in cluster

- Institute of Technology-Assessment (Vienna)
- Centre for Geosciences including:
 - Commission for the Palaeontological and Stratigraphical Research of Austria (Graz)
 - Commission for Geophysical Research (Innsbruck)
 - Commission for Basic Research on Mineral Raw Materials (Leoben)
 - Commission for Quaternary Research (Vienna)

Closure of the Centre for Geosciences and all included commissions as of 31/12/2012)
- Commission for Astronomy (Vienna)
(Closure as of 31/12/2012)
- Commission for the History of Natural Sciences, Mathematics and Medicine (Vienna)
(Closure as of 31/12/2012)
- Commission for Interdisciplinary Ecological Studies (Vienna)
(Closure as of 31/12/2012)
- Clean Air Commission (Vienna)
(Closure as of 31/12/2012)
- Commission for Scientific Co-operation with the Austrian Federal Ministry of Defence and Sports (Vienna)
- (Austrian IIASA Commission at the OeAW, Vienna)

Research units not organised in cluster		
	m.	f.
Average number of staff in 2012 (incl. seconded federal employees)	15	14
Number of full-time equivalents	14.2	12.1
of which:		
· scientific staff	13.3	7.6
· of which young researchers	3.8	3.5
Basic budget (in EUR '000) ¹¹	1,588.2	
Occupancy costs (in EUR '000)	74.8	
Third party funds (in EUR '000)	1,385.9	
Third-party share ¹³	87.26 %	
Ongoing research projects in 2012	81	

» 2 The OeAW as a research performing organisation

Research units not organised in cluster		
Publications		
A.	Peer-reviewed papers in scientific journals or anthologies	37
	· of which in indexed journals	23
	Monographs or editions	5
B.	Lengthier papers without peer review in journals or anthologies	25
	Editorships	5
C.	Other scientific publications	75
Lectures		
A.	Invited scientific lectures	48
	· of which at international events	36
B.	Other scientific lectures	50
	· of which at international events	42
C.	Scientific poster presentations	19
	· of which at international events	19

The Clean Air Commission does not pursue any research attributable to the OeAW, but instead is involved in the field of networking with university research.

The Commission for Scientific Co-operation with the Federal Ministry of Defence and Sports is not recorded in the OeAW research information system and is therefore not included in the evaluation for the purposes of the intellectual capital report.

The Austrian IIASA Commission at the OeAW (2012 budget:

EUR 50,000) is not counted as an Academy research unit and is therefore not included in the evaluation for the purposes of the intellectual capital report.

In addition, the basic budget includes the financing of 2 employees of the former Commission for Scientific Visualization in the amount of EUR 164,600.

» 2 The OeAW as a research performing organisation

Centre for Ancient World Studies

- Commission for Egypt and the Levant (Vienna)
(Incorporation into the newly founded Institute for Oriental and European Archaeology as of 01/01/2013)
- Commission for Ancient Literature and Latin Tradition (Vienna)
(Incorporation into the Institute for the Study of Ancient Culture as of 01/01/2012)
- Commission for the History of Ancient Law (Vienna)
(Incorporation as Division Documenta Antiqua into the Institute for the Study of Ancient Culture as of 01/01/2013)
- Commission for Editing the Corpus of the Latin Church Fathers (CSEL) (Vienna)
(Transfer to the University of Salzburg as of 01/07/2012)
- Commission for Asia Minor (Vienna)
(Incorporation as Division Documenta Antiqua into the Institute for the Study of Ancient Culture as of 01/01/2013)
- Institute for the Study of Ancient Culture (Vienna)
- Commission for Mycenaean Studies (Vienna)
(Incorporation into the newly founded Institute for Oriental and European Archaeology as of 01/01/2013)
- Numismatic Commission (Vienna)
(Incorporation into the newly founded Institute for Oriental and European Archaeology as of 01/01/2013)
- Prehistoric Commission (Vienna)
(Incorporation into the newly founded Institute for Oriental and European Archaeology as of 01/01/2013)

Centre for Ancient World Studies		
	m.	f.
Average number of staff in 2012 (incl. seconded federal employees)	29	43
Number of full-time equivalents	26.1	30.3
of which:		
· scientific staff	25.6	27.8
· of which young researchers	2.1	7.1
Basic budget (in EUR '000) ¹¹	2,413.4	
Occupancy costs (in EUR '000)	20.1	
Third party funds (in EUR '000)	1,762.7	
Third-party share ¹³	73.04 %	
Ongoing research projects in 2012	187	
Publications		
A.	Monographs or (source) editions	12
	Peer-reviewed contributions in scientific journals or anthologies	68
	· of which in indexed journals	28
B.	Editorships	8
	Lengthier contributions without peer review in journals or anthologies	49
C.	Other scientific publications	20
D.	Encyclopaedia articles	55
Lectures		
A.	Invited scientific lectures	135
	· of which at international events	82
B.	Other scientific lectures	59
	· of which at international events	33
C.	Scientific poster presentations	15
	· of which at international events	13

» 2 The OeAW as a research performing organisation

Centre for Studies in Asian Cultures and Social Anthropology

- Institute for Iranian Studies (Vienna)
- Institute for the Cultural and Intellectual History of Asia (Vienna)
- Institute for Social Anthropology (Vienna)

Centre for Studies in Asian Cultures and Social Anthropology		
	m.	f.
Average number of staff in 2012 (incl. seconded federal employees)	30	25
Number of full-time equivalents	26.3	20.4
of which:		
· scientific staff	25.3	16.5
· of which young researchers	3.7	3.8
Basic budget (in EUR '000) ¹¹	1,635.6	
Occupancy costs (in EUR '000)	461.6	
Third party funds (in EUR '000)	1,112.3	
Third-party share ¹³	68.01 %	
Ongoing research projects in 2012	214	
Publications		
A. Monographs or (source) editions	8	
A. Peer-reviewed contributions in scientific journals or anthologies	68	
· of which in indexed journals	19	
B. Editorships	23	
Lengthier contributions without peer review in journals or anthologies	20	
C. Other scientific publications	20	
Lectures		
A. Invited scientific lectures	160	
· of which at international events	115	
B. Other scientific lectures	60	
· of which at international events	37	
C. Scientific poster presentations	1	
· of which at international events	1	

» 2 The OeAW as a research performing organisation

Centre for Cultural Research

- Institute of Culture Studies and Theatre History (Vienna)
- Commission for the History of Art (Vienna)
(Incorporation into the newly founded Institute of History of Art and Musicology as of 01/01/2013)
- Commission for Music Research (Vienna)
(Incorporation into the newly founded Institute of History of Art and Musicology as of 01/01/2013)

Centre for Cultural Research		m.	f.
Average number of staff in 2012 (incl. seconded federal employees)		20	23
Number of full-time equivalents		15.7	15.6
of which:			
· scientific staff		15.7	13.9
· of which young researchers		3.4	4.3
Basic budget (in EUR '000) ¹¹		1,315.0	
Occupancy costs (in EUR '000)		10.0	
Third party funds (in EUR '000)		508.4	
Third-party share ¹³		38.66 %	
Ongoing research projects in 2012		187	
Publikationen			
A.	Monographs or (source) editions	16	
	Peer-reviewed contributions in scientific journals or anthologies · of which in indexed or other excellent journals	86 10	
B.	Editorships	20	
	Lengthier contributions without peer review in journals or anthologies	71	
C.	Other scientific publications	35	
D.	Encyclopaedia articles	116	
Lectures			
A.	Invited scientific lectures	118	
	· of which at international events	74	
B.	Other scientific lectures	31	
	· of which at international events	16	
C.	Scientific poster presentations	1	
	· of which at international events	0	

» 2 The OeAW as a research performing organisation

Centre for Medieval Studies

- Institute for Byzantine Studies (Vienna)
(Incorporation as Division Byzantine Studies into the Institute for Medieval Research as of 01/07/2012)
- Institute for Medieval Research (Vienna)
- Institute for Medieval and Early Modern Material Culture (Krems)
(Transfer to the University of Salzburg as of 01/11/2012)
- Commission for Palaeography and Codicology of Medieval Manuscripts (Vienna)
(Incorporation as Division Palaeography- and Codicology into the Institute for Medieval Research as of 01/07/2012)

Centre for Medieval Studies			m.	f.
Average number of staff in 2012 (incl. seconded federal employees)			33	34
Number of full-time equivalents			29	25.6
of which:				
· scientific staff			28.2	22.2
· of which young researchers			12.5	9.3
Basic budget (in EUR '000) ¹¹			1,980.1	
Occupancy costs (in EUR '000)			302.3	
Third party funds (in EUR '000)			909.3	
Third-party share ¹³			45.92 %	
Ongoing research projects in 2012			230	
Publications				
A.	Monographs or (source) editions		11	
	Peer-reviewed contributions in scientific journals or anthologies · of which in indexed or other excellent journals		37 5	
B.	Editorships		16	
	Lengthier contributions without peer review in journals or anthologies		71	
C.	Other scientific publications		34	
Lectures				
A.	Invited scientific lectures		112	
	· of which at international events		88	
B.	Other scientific lectures		32	
	· of which at international events		30	
C.	Scientific poster presentations		2	
	· of which at international events		2	

» 2 The OeAW as a research performing organisation

Centre for Research on Modern and Contemporary History

- Commission for the History of the Habsburg Monarchy (Vienna)
(Incorporation into the newly founded Institute for Research on Modern and Contemporary History as of 01/01/2013)
- Historical Commission (Vienna)
(Incorporation into the newly founded Institute for Research on Modern and Contemporary History as of 01/01/2013)
- Austrian Biographical Encyclopaedia and Biographical Documentation (Vienna)
(Incorporation into the newly founded Institute for Research on Modern and Contemporary History as of 01/01/2013)
- Commission for Austrian Legal History (Vienna)
(Transfer to the University of Vienna as of 01/04/2012)

Centre for Research on Modern and Contemporary History		
	m.	f.
Average number of staff in 2012 (incl. seconded federal employees)	16	11
Number of full-time equivalents	14.8	10.5
of which:		
· scientific staff	14,6	8,4
· of which young researchers	1,2	1,4
Basic budget (in EUR '000) ¹¹	786.9	
Occupancy costs (in EUR '000)	23.1	
Third party funds (in EUR '000)	70.2	
Third-party share ¹³	8.92 %	
Ongoing research projects in 2012	73	
Publications		
A.	Monographs or (source) editions	3
	Peer-reviewed contributions in scientific journals or anthologies	10
	· of which in indexed or other excellent journals	5
B.	Editorships	9
	Lengthier contributions without peer review in journals or anthologies	18
C.	Other scientific publications	14
D.	Encyclopaedia articles	29
Lectures		
A.	Invited scientific lectures	34
	· of which at international events	24
B.	Other scientific lectures	17
	· of which at international events	9
C.	Scientific poster presentations	1
	· of which at international events	1

» 2 The OeAW as a research performing organisation

Social Sciences Research Centre

- Institute for Demography (Vienna)
- Institute for European Integration Research (Vienna)
(Transfer to the University of Vienna as of 01/04/2012)
- Institute for European Tort Law (Vienna)
(Partial transfer to the Karl-Franzens-University of Graz as of 01/01/2013)
- Institute for Mountain Research: Man and the Environment (Innsbruck)
- (Institute for Interdisciplinary Mountain Research)
(Renamed in Institute for Interdisciplinary Mountain Research as of 31/10/2012)
- Commission for Migration and Integration Research (Vienna)
(Closure as of 31/12/2012)
- Institute for Urban and Regional Research (Vienna)
- Commission for Comparative Media and Communication Studies (Vienna)
(Partial transfer to the Alpen-Adria-University of Klagenfurt as of 01/01/2013, transformed into an Institute for Comparative Media and Communication Studies as from 01/01/2013)

Social Sciences Research Centre		
	m.	f.
Average number of staff in 2012 (incl. seconded federal employees)	39	43
Number of full-time equivalents	32.7	31.3
of which:		
· scientific staff	30.5	24.9
· of which young researchers	7.5	9.8
Basic budget (in EUR '000) ¹¹	3,294.0	
Occupancy costs (in EUR '000)	329.0	
Third party funds (in EUR '000)	694.0	
Third-party share ¹³	21.07 %	
Ongoing research projects in 2012	127	
Publications		
A.	Monographs or (source) editions	9
	Peer-reviewed contributions in scientific journals or anthologies	118
	· of which in indexed or other excellent journals	56
B.	Editorships	27
	Lengthier contributions without peer review in journals or anthologies	69
C.	Other scientific publications	58
Lectures		
A.	Invited scientific lectures	142
	· of which at international events	104
B.	Other scientific lectures	106
	· of which at international events	91
C.	Scientific poster presentations	33
	· of which at international events	32

» 2 The OeAW as a research performing organisation

Centre for Linguistics and Audiovisual Documentation

- Institute for Corpus Linguistics and Text Technology (Vienna)
- Commission for the Edition of Text Dictionary of "Die Fackel" (FACKELLEX) (Vienna)
(Incorporation as Division for the Edition of a Text Dictionary of "Die Fackel" into the Institute for Corpus Linguistics and Text Technology as of 01/01/2012)
- Commission for Linguistics and Communication Research (Vienna)
(Transfer to the University of Vienna as of 01/04/2012)
- Institute for Lexicography of Austrian Dialects and Names (Vienna)
(Incorporation into the Institute for Corpus Linguistics and Text Technology as of 01/01/2013)
- Audiovisual Research Archive (Vienna)

Centre for Linguistics and Audiovisual Documentation		
	m.	f.
Average number of staff in 2012 (incl. seconded federal employees)	21	33
Number of full-time equivalents of which:	17	22.1
· scientific staff	15.5	18.7
· of which young researchers	2.0	4.8
Basic budget (in EUR '000) ¹¹	2,178.0	
Occupancy costs (in EUR '000)	193.1	
Third party funds (in EUR '000)	463.0	
Third-party share ¹³	21.26 %	
Ongoing research projects in 2012	296	
Publications		
A.	Monographs or (source) editions	5
	Peer-reviewed contributions in scientific journals or anthologies	28
	· of which in indexed or other excellent journals	3
B.	Editorships	7
	Lengthier contributions without peer review in journals or anthologies	27
C.	Other scientific publications	11
D.	Encyclopaedia articles	125
Lectures		
A.	Invited scientific lectures	104
	· of which at international events	61
B.	Other scientific lectures	51
	· of which at international events	39
C.	Scientific poster presentations	12
	· of which at international events	12

» 2 The OeAW as a research performing organisation

Scientific data collections

A number of OeAW research institutions, in particular in the HS-cluster, document their scientific findings primarily within scientific data collections.

A typical data collection as defined by the OeAW

- was developed as research result within an Academy research project by an Academy research institution with contribution of OeAW personnel;
- documents systematically scientific data and metadata of reference objects;
- serves primarily for the establishment and extension of the scientific infrastructure (and not for publication);
- is available to the public or the relevant scientific community (upon request).

In order to document how the data collection is provided, the counting units are assigned to one or several of the five types of data - text, picture, audio, video and scientific data (e.g. measurement series). Data collections comprise digital and non-digital formats and three levels of categories. The level of category depends on the grade of complexity of the documentation of the data collected.

Scientific data collections	
	HS-cluster
Number of scientific data collections in 2012	113
of which:	
· created in 2012	4
· digitally recorded	92
· non-digitally recorded	21
· accessible via the internet	48
· (on demand) generally available	51
· (on demand) available to the relevant scientific community	62

Knowledge and technology transfer

The transition from basic research to product development is, in the light of the different objectives – the obtaining of knowledge on the one hand, the obtaining of financial profits on the other hand – a challenge that the OeAW is willing to meet.

Alongside the exploitation of intellectual property rights by means of licensing or sale, there is also the option of establishing spin-off enterprises, with the decision on the manner of exploitation depending both on the scientific and on the economic possibilities of the type of exploitation in question.

For the evaluation and eventual exploitation of intellectual property rights, the OeAW cooperates with several agencies with the aim to minimise the inherent risk of exploitation activities and help to make relevant decisions predictable. The accumulated expertise in this field can increase the successful exploitation in order to ensure the optimum use of intellectual property rights of the invention in question.

As a means of showing the commercial relevance of the inventions, the following table also includes patents that the OeAW has exploited by licensing or sale while retaining the right to use the patents for the purposes of science and research.

2.1 Accomplishments of the research performing organisation

» 2 The OeAW as a research performing organisation

Intellectual property rights	
	Total
Number of patents in 2012	49
of which:	
· submitted	39
· granted	1
· in process	7
· exploited	2

Organisation of scientific events			
	Total	of which MN-cluster	of which HS-cluster
Number of scientific events (jointly) organised by staff in 2012	533	304	229
of which:			
· ongresses, symposia, conferences	171	79	92
· workshops, seminars	280	203	77
· other	82	22	60

Popular science publications		
	MN-cluster	HS-cluster
Number of popular science publications by staff in 2012	179	239
of which:		
· textbooks in scientific publishing houses	0	2
· popular science books including multimedia publications	0	5
· other popular science publications or other teaching materials	46	96
· popular science lectures/presentations	133	136

» 2 The OeAW as a research performing organisation

2.2 Impact of the research performing organisation

Prizes and awards to scientific staff

High-level prizes and awards were bestowed on scientific OeAW staff in 2012. Special highlights are one ERC Advanced Grant, three ERC Starting Grants and two START-Awards.

Prominent examples are:

In the field of Mathematics and the Natural Sciences

- START-Award to Kaan Boztug, CeMM-Research Centre for Molecular Medicine
- ERC Starting Grant to Kaan Boztug, CeMM-Research Centre for Molecular Medicine
- ERC Starting Grant to Sebastian Nijman, CeMM-Research Centre for Molecular Medicine
- Austrian Cross of Honour for Science and Art 1st Class to Konrad Schwingenschuh, Space Research Institute

In the field of the Humanities and Social Sciences

- ERC Advanced Grant to Sergej Scherbov, IIASA and OeAW Institute for Demography
- START-Award to Julia Budka, Commission for Egypt and the Levant, OeAW and University of Vienna
- ERC Starting Grant to Julia Budka, Commission for Egypt and the Levant, OeAW and University of Vienna

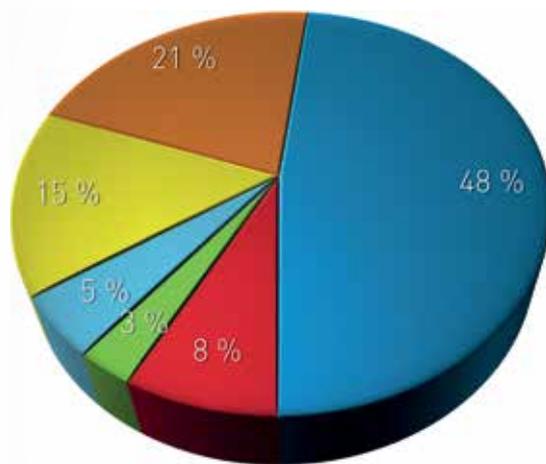
Prizes and awards					
	Total	of which MN-cluster		of which HS-cluster	
		m.	f.	m.	f.
Number of prizes and awards conferred on staff members in 2012	75	35	14	19	7
Domicile of awarding institution:					
·in Austria	42	19	10	10	3
·within the EU (excl. Austria)	21	10	2	7	2
·outside the EU	12	6	2	2	2

Teaching at universities and universities of applied sciences			
	Total	of which MN-cluster	of which HS-cluster
Number of courses held by staff during 2012	372	155	217
of which:			
· courses and seminars at universities (with course number)	331	142	189
· special lectures (without course number)	20	3	17
· courses at university level	11	3	8
· courses at universities of applied sciences	10	7	3

» 2 The OeAW as a research performing organisation

Media presence of the OeAW as a research performing organisation

To a large degree, the media presence of the OeAW depends on the achievements of its research units. Of all the reports and brief reports concerning the OeAW in 2012, 48 percent addressed the topic "research at the OeAW". Almost all OeAW research units were mentioned in the media in 2012. The following units were mentioned very often in connection with research findings and excellent publications: IMBA – Institute of Molecular Biotechnology, CeMM – Research Center for Molecular Medicine, Institute for Quantum Optics and Quantum Information, Space Research Institute, Institute for High Energy Physics. In the field of Humanities, Social and Cultural Sciences topics such as mountain research, demography, ancient world studies, medieval studies, history of art and culture studies were satisfactorily mentioned in the media.



Media presence by topic

• Research	48%
• Learned society	8%
• Career building at the OeAW	3%
• Prizes and awards to OeAW members and staff	5%
• The OeAW in the context of science policy	15%
• Events and miscellaneous	21%

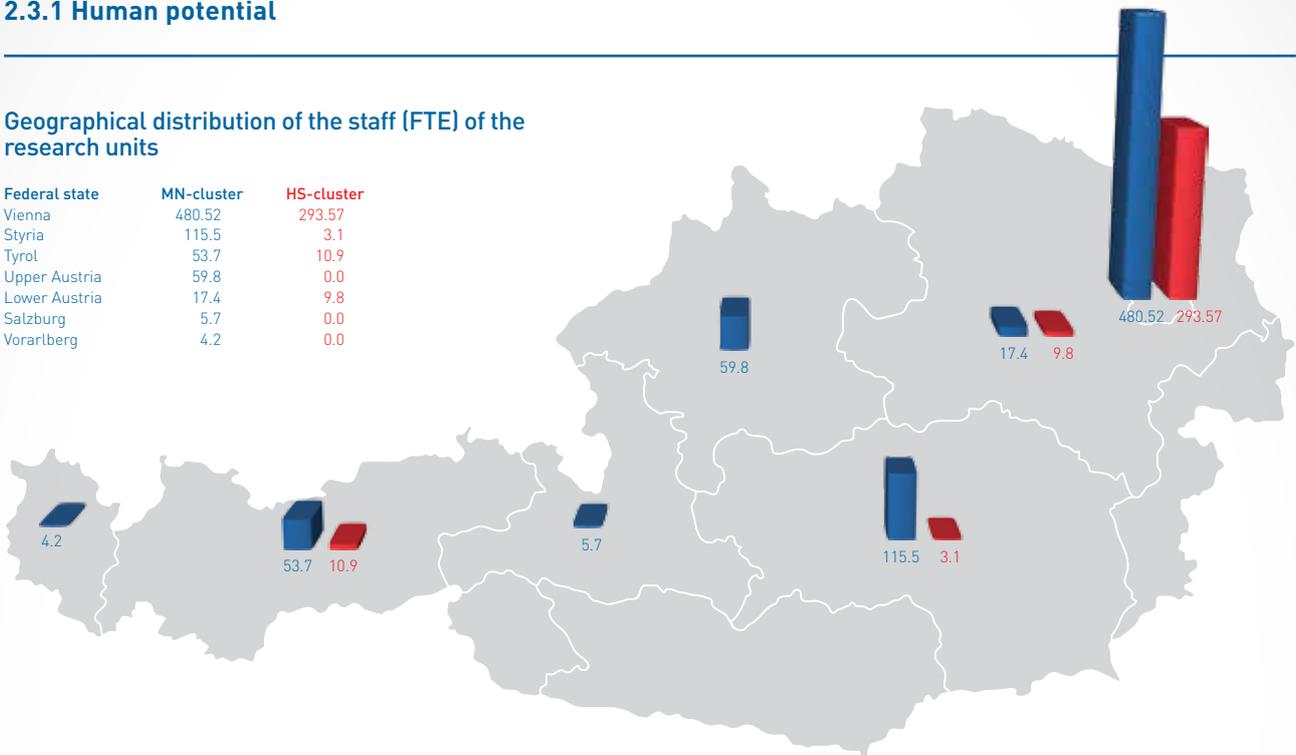
» 2 The OeAW as a research performing organisation

2.3 Value creation potential of the research performing organisation

2.3.1 Human potential

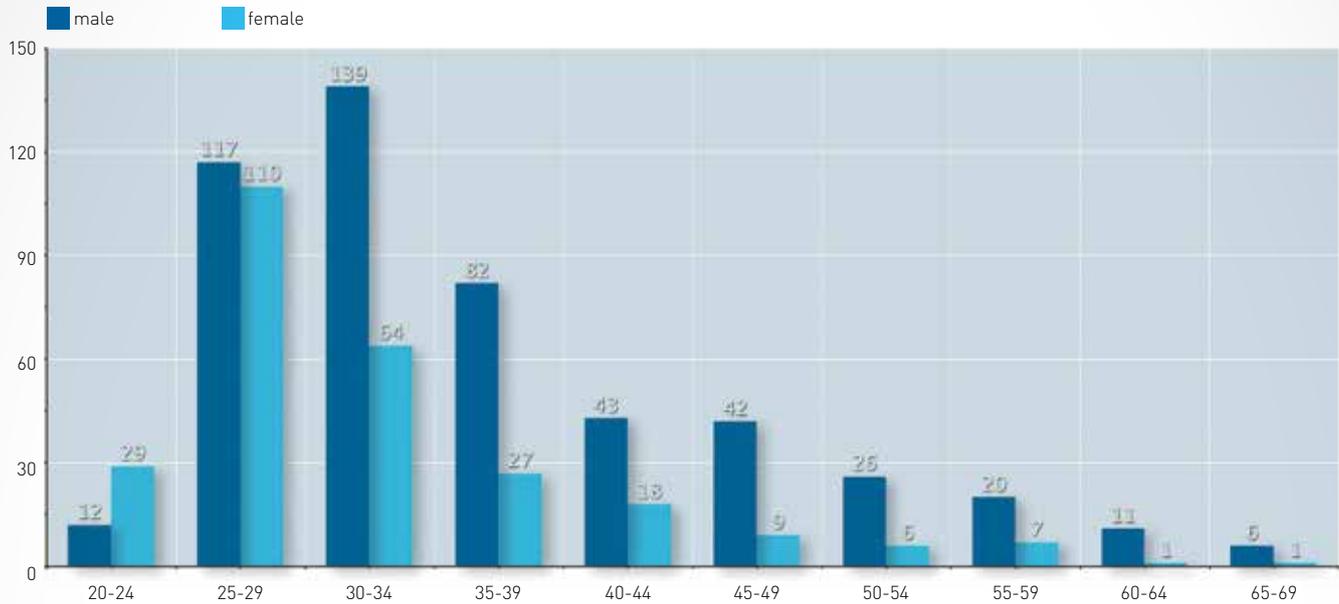
Geographical distribution of the staff (FTE) of the research units

Federal state	MN-cluster	HS-cluster
Vienna	480.52	293.57
Styria	115.5	3.1
Tyrol	53.7	10.9
Upper Austria	59.8	0.0
Lower Austria	17.4	9.8
Salzburg	5.7	0.0
Vorarlberg	4.2	0.0

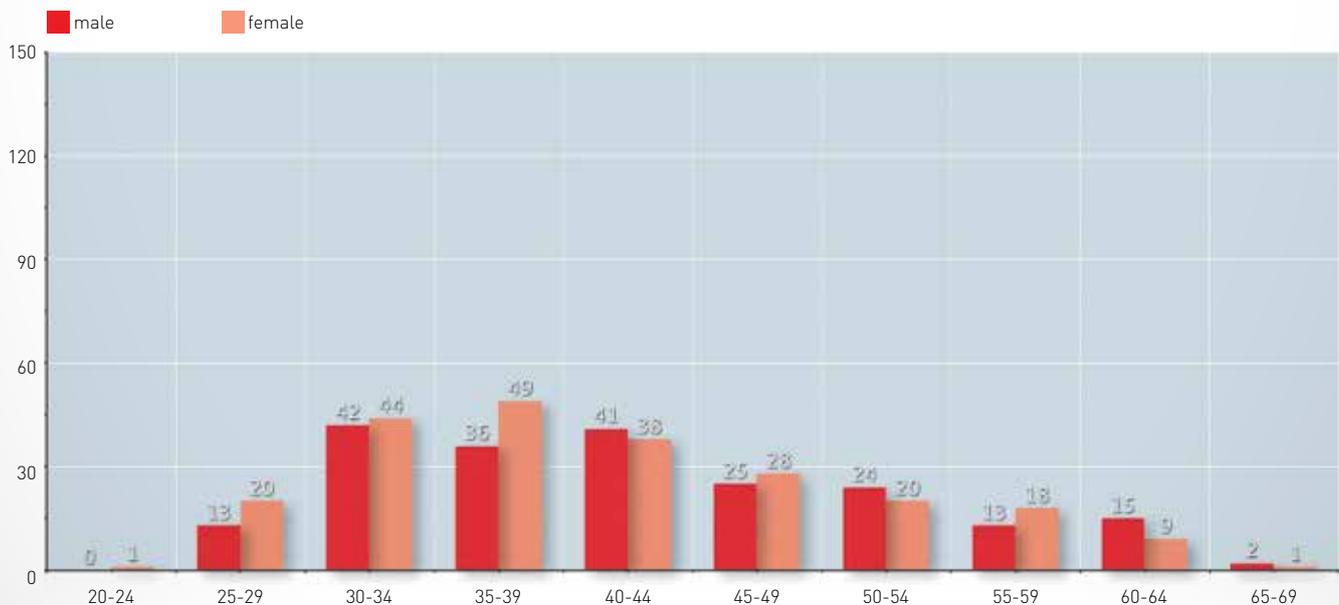


» 2 The OeAW as a research performing organisation

Age structure of the scientific staff in MN-cluster¹⁴



Age structure of the scientific staff in HS-cluster¹⁴



¹⁴ The above chart shows all academic members of staff employed in OeAW research units during 2012 (incl. federal employees).

» 2 The OeAW as a research performing organisation

Scientific staff in project management functions (as at 31/12/2012)					
	Total	MN-cluster		HS-cluster	
		m.	f.	m.	f.
Scientific staff in project management function as a percentage of the total number of scientific staff per sector	25 %	22 %	9 %	37 %	31 %

Young researchers at the OeAW					
	Total	of which MN-cluster		of which HS-cluster	
		m.	f.	m.	f.
Number of young researchers in 2012	720	348	193	68	111
of which:					
· diploma students	83	48	17	7	11
· doctoral students, junior scientists	385	167	133	25	60
· post docs	211	120	38	23	30
· junior group leaders etc. ¹⁵	41	13	5	13	10
Financing:					
· OeAW-funded	274	118	72	35	49
· funded by third parties	446	230	121	33	62
PhDs under the age of 33	143	80	27	21	15
Degrees completed in connection with an Academy research project in 2012:	80	33	21	11	15
· diplomas	40	18	8	5	9
· PhDs	35	14	13	2	6
· Habilitations	5	1	0	4	0

Dissertation programme of the Division of Humanities and the Social Sciences

Unfortunately, in 2012 as in the previous year, no doctoral fellowship could be offered by the Division of Humanities and the Social Sciences due to the budget situation.

In 2012, a total of 11 doctoral candidates (8 women and 3 men) were employed by the OeAW through the doctoral programme under fixed-term contracts awarded in previous years.

Five dissertations were successfully completed in 2012 following the three-year doctoral programme of the Division of Humanities and the Social Sciences. Unfortunately, no new doctoral fellowships can be offered due to the financial situation.

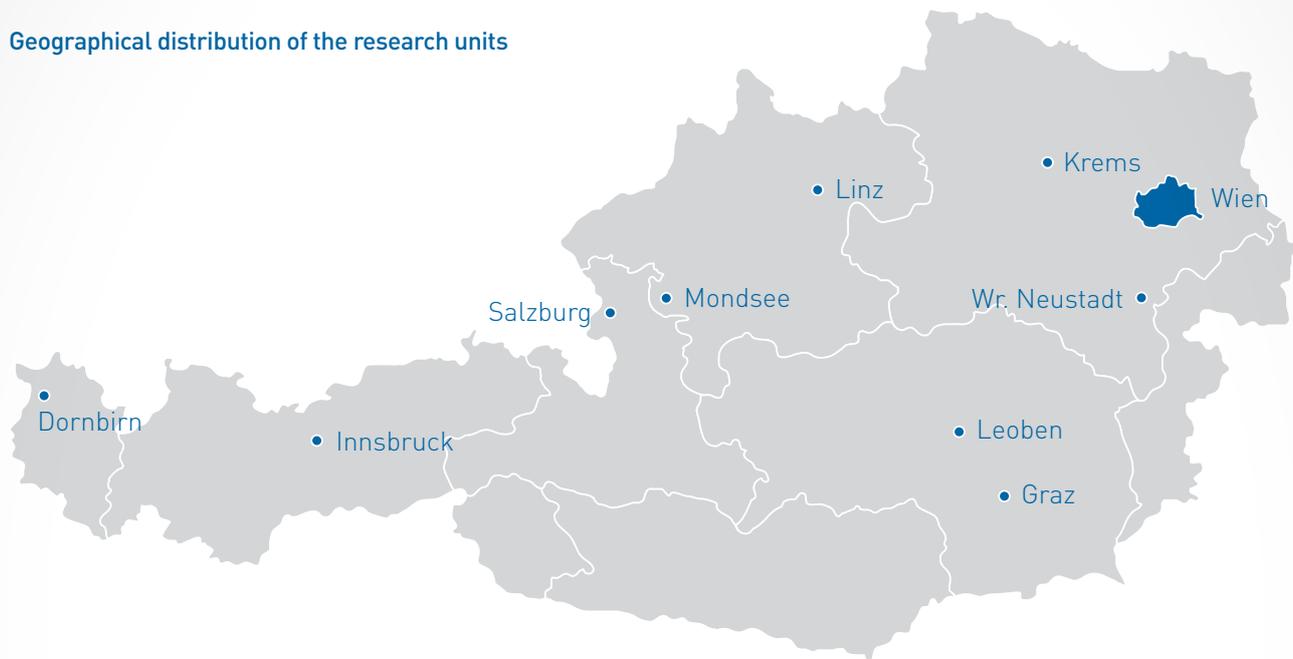
In 2013 though, five doctoral researchers will be employed by the OeAW under running fixed-term contracts.

¹⁵ Given the different structures of junior positions in the two clusters, the management of an individual OeAW research project with at least one further full-time equivalent as project staff member or the management of a third-party project is considered equivalent to a junior group leader position.

» 2 The OeAW as a research performing organisation

2.3.2 Structural potential

Geographical distribution of the research units



- Mondsee: Transfer of the Institute for Limnology to the University of Innsbruck as of 01/09/2012
- Salzburg: Transfer of the Institute GIScience to the University of Salzburg as of 01/08/2012
- Krens: Transfer of the Institute of Medieval and Early Modern Material Culture to the University of Salzburg as of 01/11/2012
- Wr. Neustadt: Transfer of the Institute for Integrated Sensor Systems to the Danube University Krens as of 01/01/2013

Floor space of the research units (as of 31/12/2012)			
	Total	of which MN-cluster	of which HS-cluster
Total area in m² of which for the following types of use:	52,057.15	40,987.75	11,069.40
· offices and meeting rooms	15,621.20	8,269.77	7,351.43
· circulation space	15,280.32	13,307.18	1,973.14
· workshops and laboratories	9,869.41	9,641.75	227.66
· technical rooms	3,709.46	3,569.17	140.29
· storage and archives	2,818.37	2,317.83	500.54
· seminar rooms and libraries	1,397.06	1,003.47	393.59
· Space used for other purposes (e.g. residential, lounges, rooms with medical equipment etc.)	3,361.33	2,878.58	482.75

» 2 The OeAW as a research performing organisation

Floor space of the research units

In 2012, the entire floor space available to the OeAW was reduced by some 5,000 m² to a total of 52,057 m².

In the year 2012, a number of OeAW research units were either transferred to universities or closed down:

- Institute for Biomedical Aging Research and Institute for Limnology - Transfer of both OeAW properties to the University of Innsbruck
- Institute of Biophysics and Nanosystems Research - transfer to three universities in Graz, part of the institute will remain in the research centre in Graz
- Institute for Integrated Sensor Systems - transfer of the research unit (incl. premises) to the Danube University Krems
- Institute for Geographic Information Science - transfer to the University of Salzburg, termination of the rental agreement
- Commission for Scientific Visualization - closure and lease termination
- Institute for Medieval and Early Modern Material Culture- transfer to the University of Salzburg (incl. premises)
- Institute for European Integration Research and Commission for Austrian Legal History - transfer to the University of Vienna (incl. premises)
- Commission for Editing the Corpus of the Latin Church Fathers - transfer to the University of Salzburg, move to new premises
- Commission of Linguistics and Communication Research - transfer to the University of Vienna, move to new University premises

Slight modifications in the floor space are due to new allocations of rooms and additional small rented premises (e.g. Stefan Meyer Institute for Subatomic Physics).

The floor space occupied by the Division of Mathematics and the Natural Sciences is larger due to the areas needed for workrooms, laboratories, rooms for storage and technical equipment, and archive areas. Yet the office space of both divisions differs only marginally.

Evaluation of the OeAW research units

The evaluations of the OeAW research units were continued in 2012.

Two evaluations were carried out in:

- Commission for Comparative Media and Communication Studies
- Institute for European Tort Law

External assessors					
	Total	of which MN-cluster		of which HS-cluster	
		m.	f.	m.	f.
Number of external assessors active on scientific advisory boards or in the evaluation of the OeAW research units in 2012	142	99	19	19	5

» 2 The OeAW as a research performing organisation

2.3.3 Networking potential

The initiation and cultivation of relationships within the international scientific community are important factors to allow the Academy's staff access to the world's latest knowledge and to the carriers of knowledge.

Networking and mobility of the OeAW's scientific staff

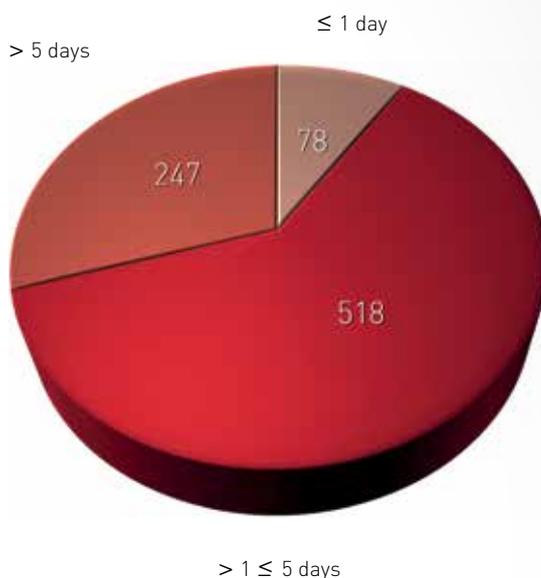
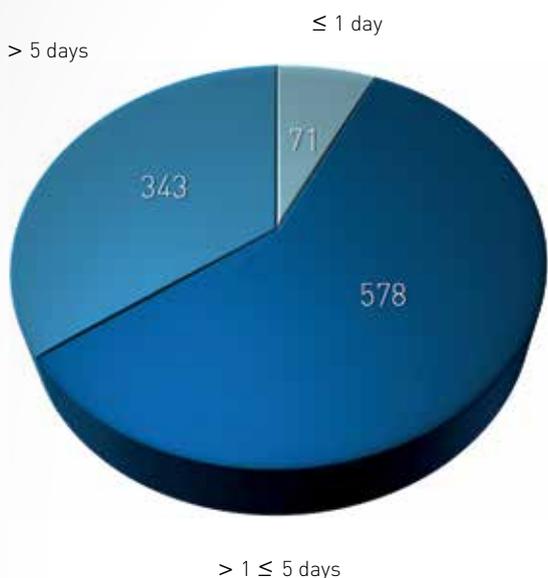
The OeAW is keen to motivate its staff and in particular its young researchers to acquire experience abroad, and has created the necessary conditions by provisions in the collective agreement and by setting up a scientist exchange programme.

Stays abroad					
	Total	of which MN-cluster		of which HS-cluster	
		m.	f.	m.	f.
Number of stays abroad of scientific staff in 2012	1,835	813	179	507	336
of which junior researchers	522	246	99	80	97
Purpose of stay:					
· research as part of an OeAW research project	338	155	44	82	57
· scientific advisory services	56	15	4	26	11
· scientific lecturing	749	255	60	265	169
· continuing education	37	7	6	8	16
· other purpose of scientific relevance	655	381	65	126	83
Place of stay:					
· within the EU	1,239	522	129	346	242
· outside the EU	596	291	50	161	94
Funding:					
· internal funding	627	389	69	86	83
· external funding	939	355	94	318	172
· mixed funding	269	69	16	103	81

» 2 The OeAW as a research performing organisation

Duration of stays abroad of scientific staff

MN-cluster HS-cluster



Participation of scientific staff at conferences					
	Total	of which MN-cluster		of which HS-cluster	
		m.	f.	m.	f.
Number of participations at scientific conferences in 2012	4,682	1,607	407	1,529	1,139
of which participations by junior researchers	1,403	588	234	241	340
venue:					
· in Austria	2,691	669	188	999	835
· within the EU (excl. Austria)	1,275	563	138	354	220
· outside the EU	716	375	81	176	84

» 2 The OeAW as a research performing organisation

The number and duration of stays of researchers from abroad at the OeAW are a measure of the attractiveness and the topicality of the research pursued here.

Scientific visitors from abroad					
	Total	of which MN-cluster		of which HS-cluster	
		m.	f.	m.	f.
Number of scientific visitors from abroad working at OeAW research units in 2012	644	331	60	162	91
Purpose of stay:					
· research as part of an OeAW research project (project meeting)	283	175	19	56	33
· scientific advisory services ¹⁶	6	6	0	0	0
· scientific lecturing	270	122	31	85	32
· other purpose with scientific relevance	85	28	10	21	26
Place of origin:					
· thin the EU (excl. Austria)	415	201	40	116	58
· outside the EU	229	130	20	46	33
Funding:					
· internal funding	128	94	21	8	5
· external funding	282	107	26	89	60
· mixed funding	234	130	13	65	26

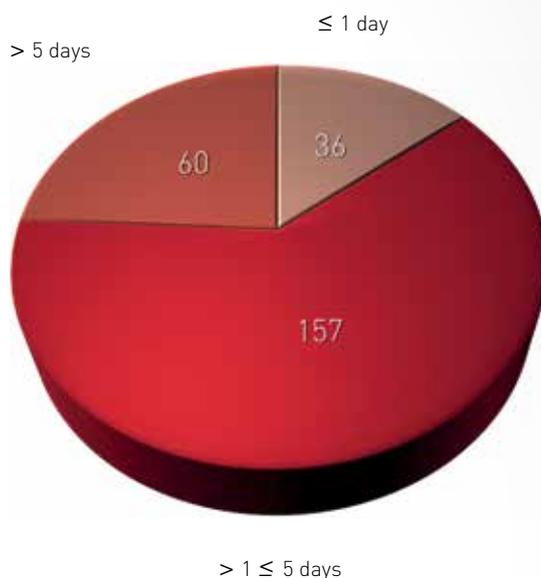
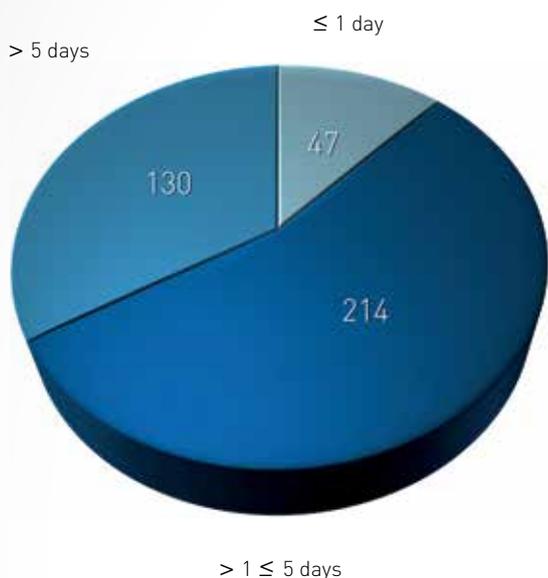
The category “Scientific visitors from abroad” will successively be replaced by the category “Number of guest researchers” as specified in the 2012-2014 performance agreement concluded with the Federal Ministry for Science and Research. In the current period under review, the narrower definition of this category leads already to a significant reduction in the number of guests.

¹⁶ This does not include external scientists who are active within the framework of statutory advisory bodies for OeAW research units.

» 2 The OeAW as a research performing organisation

Duration of stays of scientists visiting the OeAW from abroad

■ MN-cluster ■ HS-cluster



Contributions to research quality assurance beyond the OeAW

OeAW researchers are involved worldwide in scientific consulting, assessment and evaluation activities.

External functions in the course of research quality assurance					
	Total	of which MN-cluster		of which HS-cluster	
		m.	f.	m.	f.
Number of functions exercised by scientific staff for scientific journals and book series in 2012	1,235	785	114	262	74
of which in indexed journals	1,078	729	111	175	63
of which as:					
· editor, editor-in-chief	63	19	1	39	4
· editorial advisory board member	80	47	5	22	6
· editorial board member, subject/associate editor	229	92	15	102	20
· reviewer, referee	863	627	93	99	44
Number of functions exercised by scientific staff as experts or evaluators for external research institutions or programmes in 2012	252	126	26	66	34
of which external units:					
· in Austria					
· within the EU (excl. Austria)	70	31	6	13	20
· outside the EU	133	67	15	37	14
	49	28	5	16	0

3.1 Accomplishments and impact of the learned society

» 3 The OeAW as a learned society

3 The OeAW as a learned society

The members of the Academy, renowned Austrian and international scientists, contribute to a powerful research landscape in Austria and to the wellbeing of society by implementing their expertise in research activities, quality assurance, ethics in science, promotion of young researchers, scientific-based advice of society and politics as well as scientific communication.

3.1 Accomplishments and impact of the learned society

Members involved scientifically or on an advisory basis in OeAW research units							
	Total	m.	f.	of which MN division		of which HS division	
				m.	f.	m.	f.
Number of members actively involved scientifically in OeAW research units in 2012	168	147	21	-	-	-	-
of which:							
· f.m.	84	77	7	31	2	46	5
· c.m.i.A.	57	49	8	24	0	25	8
· c.m.a.	15	13	2	4	1	9	1
· h.m.	1	1	0	0	0	1	0
· YA	11	7	4	-	-	-	-
· of which in a leading function in the research unit	42	40	2	1	1	25	1
Number of members acting in an advisory capacity in the SABs and supervisory boards in 2012	38	32	6	-	-	-	-
davon:							
· f.m.	17	16	1	9	0	7	1
· c.m.i.A.	3	2	1	0	0	2	1
· c.m.a.	15	13	2	13	1	0	1
· h.m.	1	1	0	1	0	0	0
· YA	2	0	2	-	-	-	-
· of which in a leading function of the body	8	8	0	6	0	2	0

International research programmes at the OeAW

The international research programmes at the OeAW were being restructured in 2012 with the aim to create the new research programme "Earth System Sciences (ESS)", a way to strengthen inter- and transdisciplinary environment research in Austria. ESS combines the previously seven research programmes Alpine Research, Global Change, Geophysics of the Earth's Crust, International Strategy for Disaster Reduction - ISDR, International Geoscience Programme - IGCP, Hydrology of Austria - IHP, and Man and the Biosphere - MAB. In this way, the previously seven national committees were reduced to three. This amalgamation is meant to enhance the networking and scientific cooperation activities between the different fields of research and the research groups as well as non-scientific partners and to strengthen the perception of the projects internationally.

3.1 Accomplishments and impact of the learned society

» 3 The OeAW as a learned society

For the management of "ESS" three national committees were established:

The National Committee "Global Change" covers the following programmes:

- Alpine Research
- Global Change
- International Strategy for Disaster Reduction (ISDR)
- Long-term Socio-Ecological Research (LTSER)

The National Committee "Geo/Hydro Sciences" covers the following programmes:

- International Geoscience Programme (IGCP) including UNESCO Geoparks
- Hydrology of Austria (IHP = International Hydrological Programme)
- Geophysics of the Earth's Crust

The National Committee "Man and the Biosphere (MAB)" will be continued as a separate national committee due to the executive tasks with UNESCO.

The research programmes are financed by the Federal Ministry of Science and Research and managed by national committees set up within the OeAW. The committees are composed of renowned scientists as well as representatives of ministries and provincial organisations, and are each headed by a member of the Academy. For the year 2012, ESS had an annual budget of EUR 1,920,000.

International research programmes at the OeAW: ESS total budget in 2012	
National Committees 2012 - total budget in EUR `000 of which fixed funds allocated for:	1,920.0
Man and the Biosphere (MAB)	150.0
Geo/Hydro Sciences · of which for IGCP	80.0
Global Change · of which for LTSER	120.0
General funding	50.0
Remains for invitations to tender for ESS projects	1,520.0

International research programmes at the OeAW: funds granted				
National Committees 2012	Funds granted (in EUR `000)	Number of projects	Head of project m. f.	
Man and the Biosphere (MAB)	145.1	11	10	1
Geo/Hydro Sciences	41.6	3	3	0
Global Change	-	-	-	-
Commission for the Coordination of Nuclear Fusion in Austria	51.0	2	2	0
Total	237.7	16	15	1

» 3 The OeAW as a learned society

Members with expert assessor functions for international programmes at the OeAW		
National Committees 2012	f.M.	c.m.i.A.
Man and the Biosphere (MAB)	3	1
Geo/Hydro Sciences	1	2
Global Change	4	2
Commission for the Coordination of Nuclear Fusion Research in Austria	2	2
Total	10	7

Prizes, awards conferred on members

In 2012, OeAW members received high-level prizes and other top awards for outstanding scientific achievements in various subject areas or in honour of their (life-) work.

These include for example:

- ERC Synergy Grant (together with three researchers from Germany, France and Israel) awarded to f.m. Peter Zoller, scientific director at OeAW Institute for Quantum Optics and Quantum Information, Innsbruck
- Honorary doctorate of the University of Amsterdam conferred on f.m. Peter Zoller
- Honorary doctorate of the Saarland University conferred on f.m. Heinz Engl
- Fellow of the American Association for the Advancement of Science (AAAS): f.m. Josef Penninger, scientific director at IMBA - Institute of Molecular Biotechnology
- Josef-Krainer-Prize of the Federal State of Styria awarded to OeAW President Helmut Denk
- Stern-Gerlach-Medal of the German Physical Society presented to f.m. Rainer Blatt
- Fellow of the American Association for the Advancement of Science (AAAS): f.m. Anton Zeilinger
- Kardinal-Innitzer-Prize 2012 awarded to f.m. Helmut Rauch
- Science Award of the Federal State of Tyrol presented to c.m.i.A. Jörg Striessnig
- Science Award 2012 of the Federal State of Lower Austria presented to Sylvia Cremer, member of the Young Academy

Impact of the learned society

Media presence

In 2012, 445 reports appeared in the media mentioning the learned society (members, presiding committee, and divisions). The lecture series initiated by members met with considerable interest and were mentioned 94 times in the media, the Ernst Mach Forum 27 times.

3.2 Value creation potential of the learned society

» 3 The OeAW as a learned society

3.2 Value creation potential of the learned society

At the end of 2012, the learned society counts 753 members. These were composed as follows:

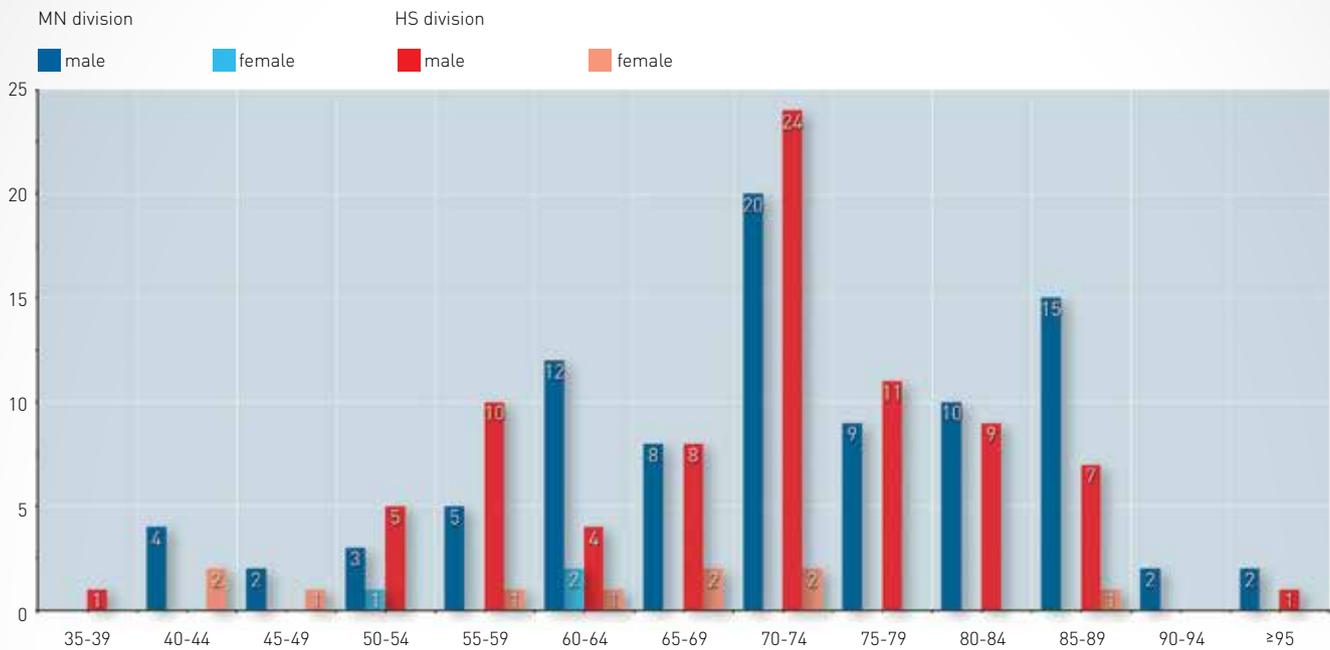
Composition of the learned society (as of 31/12/2012)							
	Total	m.	f.	of which MN division		of which HS division	
				m.	f.	m.	f.
Number of all members	753	669	84	-	-	-	-
of which:							
· f.m.	185	172	13	92	3	80	10
· c.m.i.A.	165	143	22	84	5	59	17
· c.m.a.	318	288	30	153	10	135	20
· YA	68	51	17	0	0	0	0
· h.m. of the Academy as a whole	1	0	1	-	-	-	0
· h.m. of the divisions	16	15	1	9	0	6	1

In 2012, 38 new members, including 11 women, were elected to the Academy.

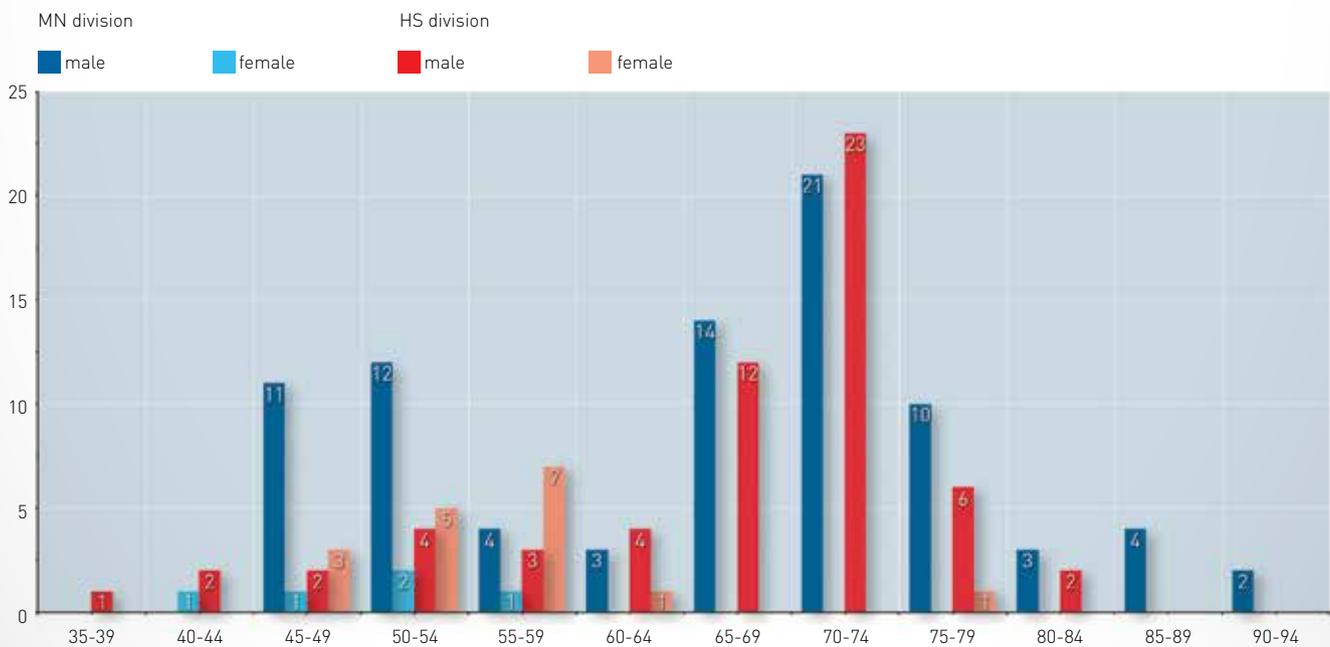
Renewal of the learned society							
	Total	m.	f.	of which MN division		of which HS division	
				m.	f.	m.	f.
Number of all newly elected members in 2012	38	27	11	-	-	-	-
of which:							
· f.m.	6	5	1	2	0	3	1
· c.m.i.A.	15	9	6	6	1	3	5
· c.m.a.	15	12	3	8	1	4	2
· YA	1	0	1	-	-	-	-
· h.m. of the divisions	1	1	0	0	0	1	0

» 3 The OeAW as a learned society

Age structure of the full members

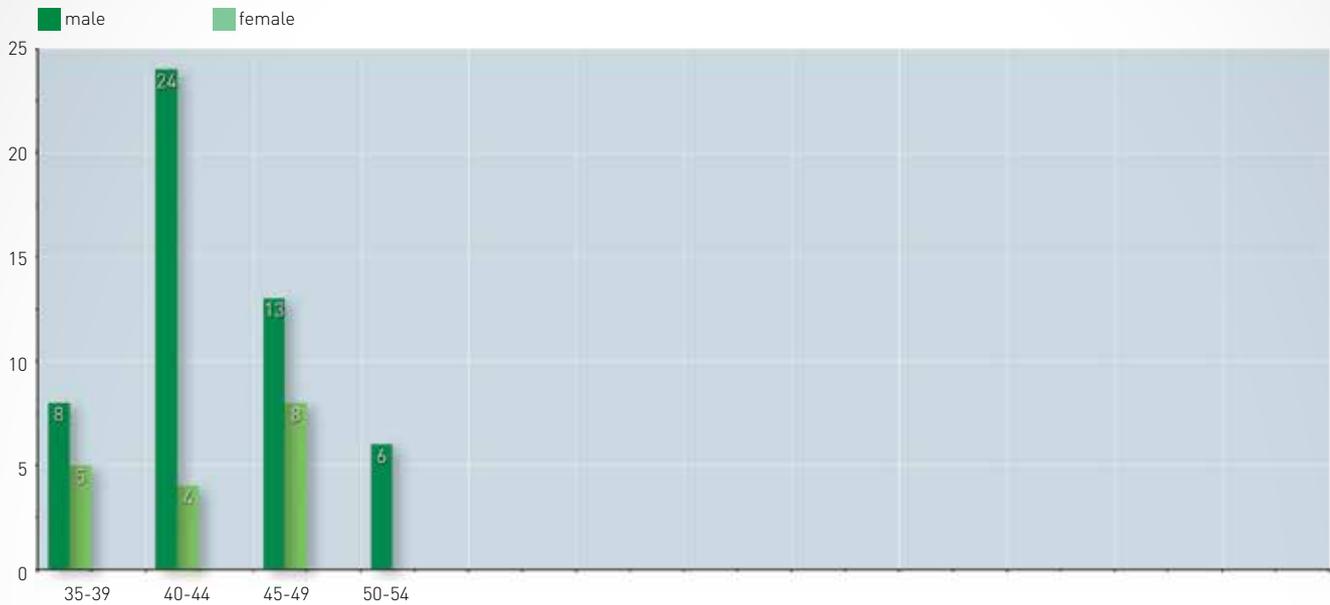


Age structure of the corresponding members in Austria



» 3 The OeAW as a learned society

Age structure of the Young Academy



Extent to which the research spectrum is covered by members in Austria

Coverage of the research spectrum (according to the two-digit ÖSTAT classification) is 90 percent for full members, 86 percent for corresponding members and 47 percent for the Young Academy. Overall, the members with permanent residency in Austria cover 94 percent of the research spectrum.

» 4 The OeAW as promoter of young researchers

4 The OeAW as promoter of young researchers

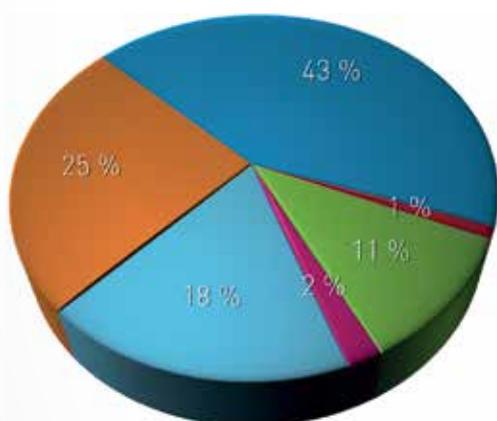
The OeAW also makes a lasting contribution to the career progression of young researchers outside its own research units. The awarding of prizes to extraordinary young researchers leads to public recognition of scientific achievements. Fellowships are a means to help particularly qualified young researchers to gain expertise at Austrian and foreign research units.

4.1 Accomplishments of the programme for the promotion of young researchers

In 2012, 224 persons - 133 women and 91 men - were supported by eight promotional programmes.

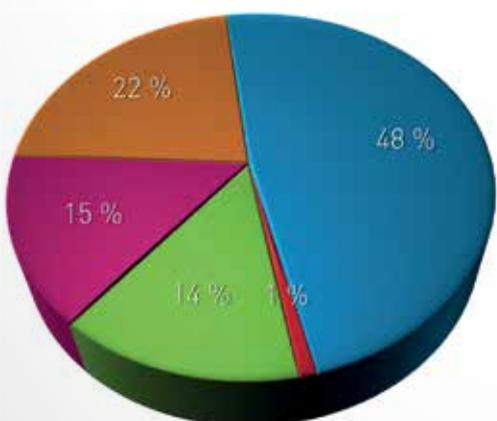
Distribution by subject area

Compared with previous years, the distribution of male and female recipients of funds in the individual subject areas has hardly changed. Amongst both men and women the major share of those sponsored study the natural sciences (women 43 percent, men 48 percent); roughly 25 percent of the recipients study the humanities (women 25 percent, men 22 percent). Compared to 2011, the share of the male and female recipients studying medicine has slightly risen; the share of women studying social sciences has also risen; by contrast the share of men studying social sciences has fallen.



Subject areas of female fellowship recipients in 2012

• Humanities	25 %
• Natural sciences	43 %
• Technical sciences	1 %
• Medicine	11 %
• Veterinary medicine	2 %
• Social sciences	18 %



Subject areas of male fellowship recipients in 2012

• Humanities	22 %
• Natural sciences	48 %
• Technical sciences	1 %
• Medicine	14 %
• Social sciences	15 %

» 4 The OeAW as promoter of young researchers

Monitoring

The scientific and career development of the young researchers is actively supported through monitoring activities. The organisation of events for fellowship recipients and alumni – such as, for example, the annual fellowship recipients' weekend – enables intensive communication and networking among the young researchers; career advice and personal coaching are also offered to support the development of key qualifications.

4.2 Impact of the programme for the promotion of young researchers

Achievement of objectives

A comparatively quick, identifiable and significant indicator that the programme for the promotion of young researchers is successful is the number of fellowship recipients who have achieved the objective set out in the statute of their particular programme within a year of the fellowship coming to an end. In the case of students this means the successful completion of the doctoral thesis, in the case of APART the award of the *venia legendi* or attaining a level of an equivalent achievement.

Achievement of the objectives of the promotional programmes						
Number of fellows qualifying in 2012 (one year after end of fellowship)	Total		m.		f.	
	End of fellowship	Achievement of objective	End of fellowship	Achievement of objective	End of fellowship	Achievement of objective
DOC	48	25	29	13	19	12
DOC-fFORTE	44	24	-	-	44	24
DOC-team	5	3	0	0	5	3
APART	15	9	7	5	8	4

For 97 of those fellows sponsored within DOC, DOC-fFORTE and DOC-team programme the award ended in 2011 - more than half of the persons completed the doctoral thesis one year after the end of the fellowship at the latest.

In the case of APART, 60 percent of those who received a fellowship obtained the *venia legendi* within a year of the fellowship terminating and/or started a scientific career at national or foreign universities.

Media presence of the programme for the promotion of young researchers

In 2012, the Academy's programme for the promotion of young researchers was mentioned in a total of 135 articles in the media. More than 60 percent of the reports were connected to the OeAW fellowship programmes, another third was related to prizes awarded by the Academy to young scientists. A great part of these reports were portraits of the recipients and their research projects; several young researchers presented their project also within the series "Young Science", a cooperation of the OeAW and science.ORF.at.

» 4 The OeAW as promoter of young researchers

4.3. Value creation potential of the programme for the promotion of young researchers

In order to select the best young researchers, the OeAW has developed an international peer review system and complex evaluation mechanisms. The evaluation and selection processes are carried out by OeAW members and by a number of Austrian and international scientists.

External reviewers in the field of the promotion of young researchers			
	Total	m.	f.
Number of external reviewers for the OeAW programmes for the promotion of young researchers in 2012	508	404	104
Of these, those involved in the following programmes for the promotion of young researchers:			
· PART	179	152	27
· DOC	236	177	59
· MAX KADE	21	19	2
· DOC-team	14	9	5
· L'ORÉAL-fellowship programme	17	13	4
· Vienna Anniversary Fund for the OeAW	7	5	2
· Ignaz L. Lieben-Award	16	16	0
· Bader-Prize for Art History	1	1	0
· Bader-Prize for the History of the Natural Sciences	4	4	0
· Dissertation Prize for Migration Research	13	8	5
Reviewers' country of origin			
· Austria	17	12	5
· EU (excl. Austria)	334	270	64
· Non-EU	157	122	35

The OeAW has implemented a two-tier selection process for all fellowship programmes (with the exception of the ROM fellowships) and a number of prizes: The members of the awarding committee draw up a shortlist of applications, and these are assessed by external reviewers. The committee then makes a decision on the award of the fellowship or prize on the basis of the opinions given by the reviewers.

Ninety-seven percent of the external reviewers are employed abroad, with approximately two-thirds of this group being based within the EU, the largest group of the experts based in Europe comes from Germany, followed by Great Britain and The Netherlands. As in the previous years, in the "Non-EU" category the majority of reviewers come from the USA and Canada, followed by Switzerland. At some 21 percent the number of reviews provided by women is slightly lower than in the previous year.

» 4 The OeAW as promoter of young researchers

Members of the awarding committees

The quality assurance process for the programme for the promotion of young researchers is primarily the responsibility of full and corresponding members of the OeAW.

Internal reviewers in the field of the promotion of young researchers							
	f. m.		c. m.		YA		Share of members
	m.	f.	m.	f.	m.	f.	
Total number of internal reviewers for the OeAW programmes for the promotion of young researchers in 2012 ¹⁷	47	14	21	4	3	3	68 %
Number of these in committees for:							
· OeAW fellowship programmes (DOC, DOC-fFORTE, APART, MAX KADE)	5	1	6	1	2	2	50 %
· DOC-team	3	0	0	0	0	1	50 %
· ROM Board of Trustees of the OeAW	1	1	3	0	0	0	50 %
· Vienna Anniversary Fund for the OeAW	4	5	0	2	0	0	69 %
· L'ORÉAL-fellowship programme	2	2	0	0	1	0	83 %
Number of these in commissions for:							
· Award for the Best Publication (HS-cluster)	5	1	0	1	0	0	100 %
· Best Paper Award (MN-cluster)	3	1	0	0	0	0	100 %
· Bader-Prize for Art History	1	0	2	0	0	0	60 %
· Bader-Prize for the History of the Natural Sciences	1	0	2	0	0	0	43 %
· Dissertation Prize for Migration Research	4	1	0	0	0	0	55 %
· Award of prizes in the HS-cluster of the OeAW	11	1	0	0	0	0	100 %
· Karl Schlögl-Prize	2	1	0	0	0	0	75 %
· Edmund and Rosa Hlawka-Prize	1	0	1	0	0	0	66 %
· Award of prizes in the field of "Palaeontology"	1	0	3	0	0	0	100 %
· Ignaz L. Lieben-Award	3	0	4	1	0	0	100 %

As part of their role on the awarding committees for the fellowship programmes they nominate international reviewers, prepare the decisions of the individual juries, and supervise the progress of the projects undertaken by the fellowship recipients. Thus, like all other members of the committees, they make an unpaid contribution to the promotion of young Austrian scientific talent.

Since not all subject areas taught at universities are covered by OeAW members, external experts are also recruited: in the awarding committees for the fellowship programmes the share of external consultants amounts to 47 percent, in the juries who award the prizes the share of external consultants totals approximately 20 percent.

¹⁷ Full and corresponding members who act as chairperson or vice-chairperson of the committees and not as reviewers are not included in the above figures.

» 4 The OeAW as promoter of young researchers

Number of successful applications

The fluctuation of the number of successful applications in the Academy's programme for promoting young researchers remained unchanged at a high level: in the fellowship programmes the number of successful applications lies between 8 and 28 percent – one exception is the ROM fellowship having a level of 100 percent. When it comes to the prizes the acceptance levels vary between 5 and 50 percent.

Number of successful applications						
Programme for the promotion of young researchers	Applications	Share as a %		Acceptances	Share as a %	
		m.	f.		m.	f.
· APART	104	56 %	44 %	10	70 %	30 %
· DOC	282	44 %	56 %	40	53 %	47 %
· DOC-team	21	10 %	90 %	6	0 %	100 %
· ROM	6	17 %	83 %	6	17 %	83 %
· MAX KADE	20	65 %	35 %	5	40 %	60 %
· L'ORÉAL-fellowship progr.	51	0 %	100 %	4	0 %	100 %
· Vienna Anniversary Fund for the OeAW	13	85 %	15 %	1	100 %	0 %
· Award for the Best Publication	10	80 %	20 %	1	100 %	0 %
· Best Paper Award	21	76 %	24 %	1	100 %	0 %
· Bader-Prize for Art History	2	50 %	50 %	1	100 %	0 %
· Bader-Prize for the History of the Natural Sciences	2	100 %	0 %	1	100 %	0 %
· Dissertation Prize for Migration Research	16	25 %	75 %	2	0 %	100 %
· Anniversary Prize of the Böhlau Verlag Vienna	10	40 %	60 %	2	0 %	100 %
· Karl Schlögl-Prize	10	50 %	50 %	1	100 %	0 %
· Ignaz L. Lieben-Award	20	75 %	25 %	1	100 %	0 %
· Richard G. Plaschka-Prize	5	80 %	20 %	1	100 %	0 %
· Edmund and Rosa Hlawka- Prize	2	100 %	0 %	1	100 %	0 %
· Prize in the field of Palaeobiology	2	50 %	50 %	1	100 %	0 %

Institutional and regional distribution of fellowship recipients

Both the doctoral and the APART-programmes enable the fellowship recipients to undertake their research projects in universities or non-university research institutions in Austria or abroad. The decisive factor for the reviewers is that those sponsored should undertake their research at the most suitable institution for their particular project.

In 2012, 16 percent of the total 202 fellowship recipients undertook their projects abroad, representing a slight increase as compared to the previous year. Twenty-seven percent of the young researchers who were studying abroad were postdoctoral students. Fellows who were sponsored under the DOC-programme were only counted as studying abroad in the list above if they successfully completed their doctoral thesis at a foreign university.

Approximately 25 percent of these doctoral students study at a university in Great Britain, the others carry out research in Germany, Switzerland, or the USA.

» 4 The OeAW as promoter of young researchers

Institutional and regional distribution of fellowship recipients		
Fellowship recipients working at research institutions	Number of fellowship recipients	Share
within Austria	173	
of which at:		
· universities	167	96 %
· non-university research institutions	6	4 %
abroad	29	
of which at:		
· universities	28	97 %
· in Germany	2	7 %
· in Great Britain	7	25 %
· in USA / Canada	10	36 %
· in other countries	9	32 %
· non-university research institutions	1	3 %

Distribution of fellowship recipients across Austrian universities

A great majority of the young researchers who were awarded fellowships in 2012 and used them to study in Austria did research at a university. About 10 percent studied at a non-university research institution in Austria.

During the period under review, students sponsored by the OeAW carried out research at 17 of the 21 state-run Austrian universities and at one private university.

As in previous years, two thirds of the researchers studied or worked at a university in Vienna. With a share of 46 percent the University of Vienna continued to be the most popular place of study, followed by the Universities of Innsbruck, Salzburg, and Linz.

Distribution of fellowship recipients across Austrian universities			
	Total	m.	f.
· University of Vienna	77	34	43
· University of Innsbruck	18	7	11
· University of Salzburg	9	2	7
· University of Linz	8	4	4
· Innsbruck Medical University	7	1	6
· Medical University of Vienna	7	2	5
· Vienna University of Technology	7	4	3
· Graz University of Technology	6	3	3
· University of Graz	5	0	5
· University of Veterinary Medicine, Vienna	5	1	4
· University of Natural Resources and Applied Life Sciences, Vienna	4	0	4
· Vienna University of Business and Economics	4	2	2
· Academy of Fine Arts in Vienna	3	0	3
· Paracelsus Medical University in Salzburg	3	1	2
· Medical University of Graz	1	1	0
· University of Applied Arts, Vienna	1	0	1
· University of Music and Performing Arts, Vienna	1	1	0
· University of Klagenfurt	1	0	1

» 5 Service facilities of the OeAW

5 Service facilities of the OeAW

5.1. Administration

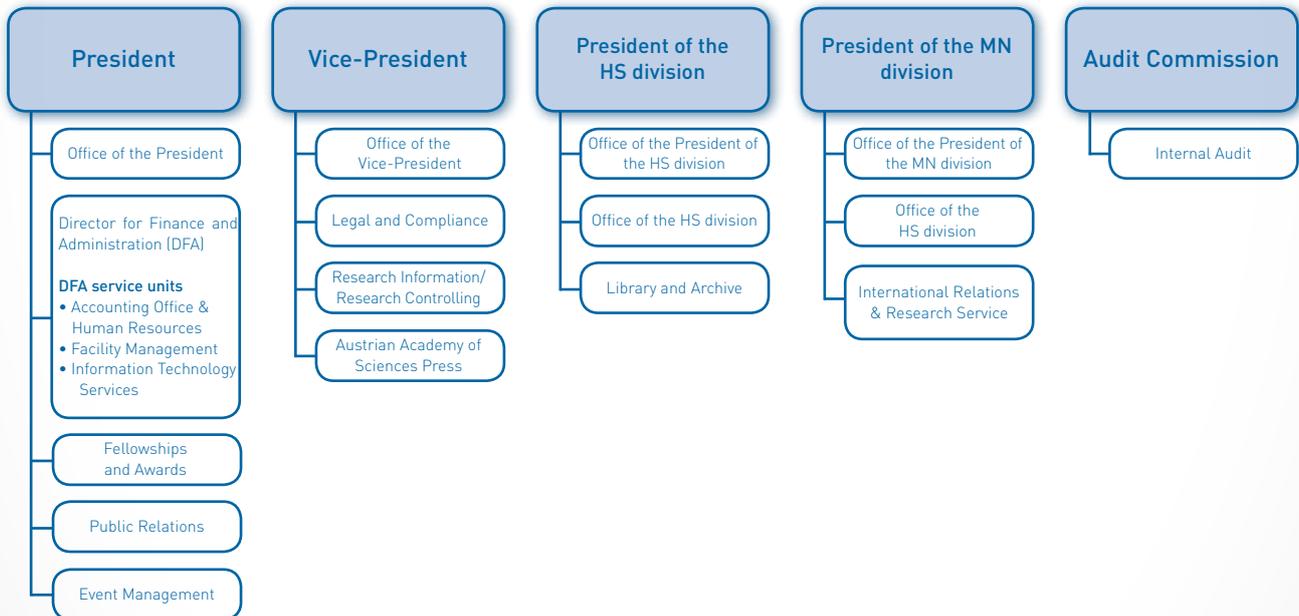
5.1.1. Value creation potential of the administration

Human potential

Staff in the administration			
	Total	m.	f.
Average number of staff (incl. seconded federal employees) in 2012			
Persons	93	35	58
Full-time equivalents	85.7	33.9	51.8

Structural potential

Central administration of the OeAW (as of 31/12/2012)



» 5 Service facilities of the OeAW

Floor space available to the administration

The administration is located in the main Academy building at Dr. Ignaz Seipel-Platz and in the "Stöckel", part of the OeAW building in Postgasse, 1010 Vienna. These two historical buildings mainly used for events and office purposes have each about 1,500 m² floor space with an additional representative circulation area of 1,400 m².

Slight changes in the floor space are due to new allocation of rooms.

ICT infrastructure and central IT services

In June 2012, the Academy Information Technology Services (ARZ) has successfully completed two major projects after months of conversion work: The unification of e-mail systems of the Academy (with © Microsoft Exchange as the remaining central mail system) and the authentication systems of ARZ (one password for several IT services, e.g. e-mail, VPN, WLAN). This standardization is a prerequisite that the OeAW can use network services of other participants of the Austrian Science ACOnet network ("ACOnet Identity Federation") - e.g. since February 2013 the u: book service of the University of Vienna. These consolidations facilitate the necessary part of the restructuring of the Academy adjustments in the ICT sector.

Furthermore, in 2012 two Vienna OeAW locations were taken in operation with high bandwidth fiberoptics connections. The central UPS system in the Academy's main building was renewed.

5.1.2 Services and impact of the administration with special regard to media presence and Event Management

Media presence of the Academy as a whole

The Academy's media presence is based primarily on the information provided to the media through the broad distribution of press releases, through direct media contacts, through the individual provision of information material, and through the mediation of contacts with scientists.

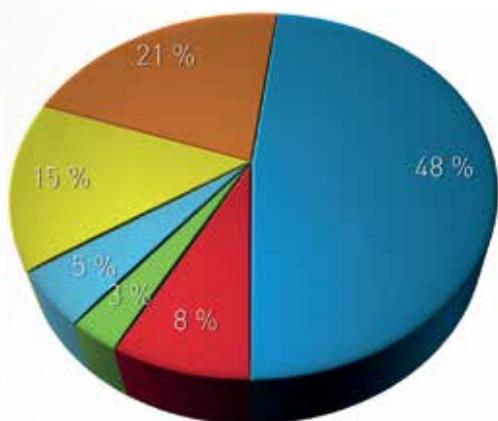
In 2012, a total of 138 press releases were sent to media representatives in Austria and abroad and published on OeAW's website. Almost all releases are published as original material in APA-ZukunftWissen, and reach - besides media representatives - researchers and other persons involved in research policy and funding.

An important role in the Academy's media presence is played by the media cooperation activities cultivated with the daily newspapers "Der Standard" (supplement "Forschung Spezial" on Wednesdays) and "Die Presse" ("Die Presse am Sonntag") in 2012. Within a cooperation with ORF/BR-alpha, research topics of the OeAW were presented in six large documentations with the channel "BR-alpha". In addition, several documentations of the previous year were repeated.

Within a cooperation with "science.ORF.at", 20 contributions of young OeAW scientists were broadcast on "science.ORF.at".

» 5 Service facilities of the OeAW

In 2012, the OeAW was mentioned as a research performing organisation, learned society or promoter of young researchers in a total of 4,664 articles, approx. 15 percent of which were in foreign media. In 2012, a great number of the articles focussed on the ongoing reform process and the related reorganisation measures.



Media presence by topic

- Research 48 %
- Learned society 8 %
- Career building at the OeAW 3 %
- Prizes and awards to OeAW members and staff 5 %
- The OeAW in the context of science policy 15 %
- Events and miscellaneous 21 %

Media clippings pertaining to the OeAW per month in 2012



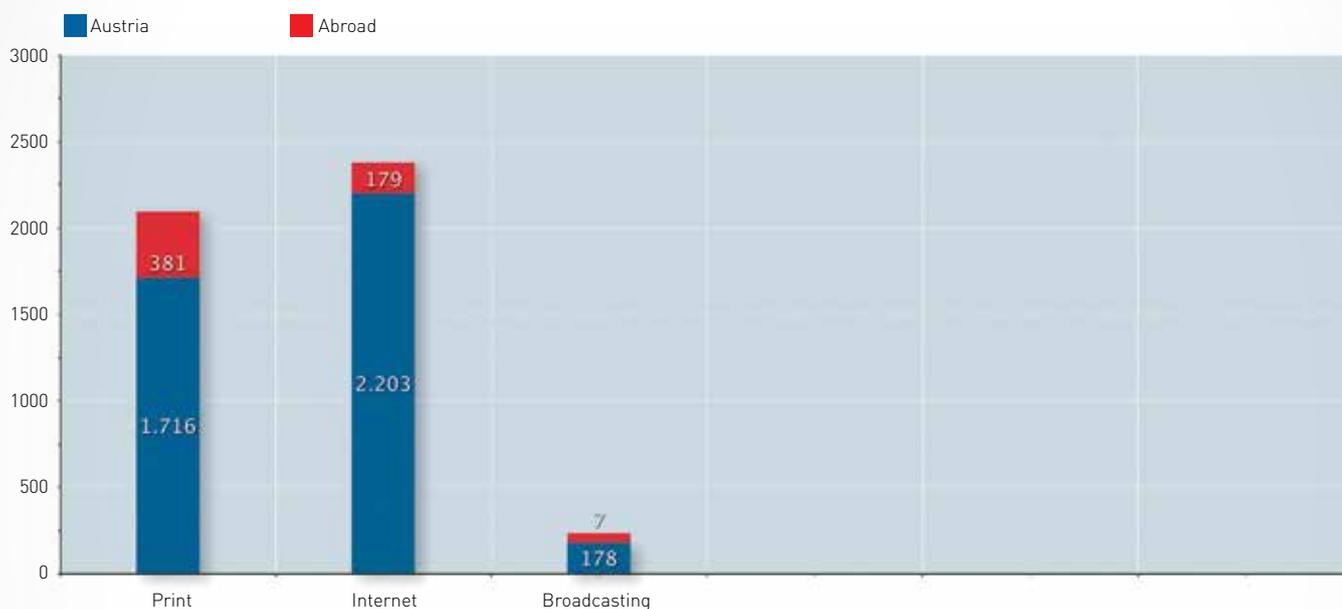
The articles counted include reports, summary reports and mentions, with the latter having only little significance as the OeAW was merely identified briefly, for instance as the organiser of an event.

» 5 Service facilities of the OeAW

The OeAW was mentioned in more than 900 national and international media. The media that report most frequently on the OeAW are (in each case print and online) Der Standard, Die Presse, Kurier, Wiener Zeitung, Salzburger Nachrichten and Tiroler Tageszeitung, moreover ORF Online, and ORF radio stations (in particular "Wissen aktuell" and "Dimensionen") – and various APA-formats.

Of all the articles, 42 percent appeared in print media, 54 percent in the internet and 4 percent on radio and television.

Media presence in 2012



The OeAW as an events centre - the Event Management

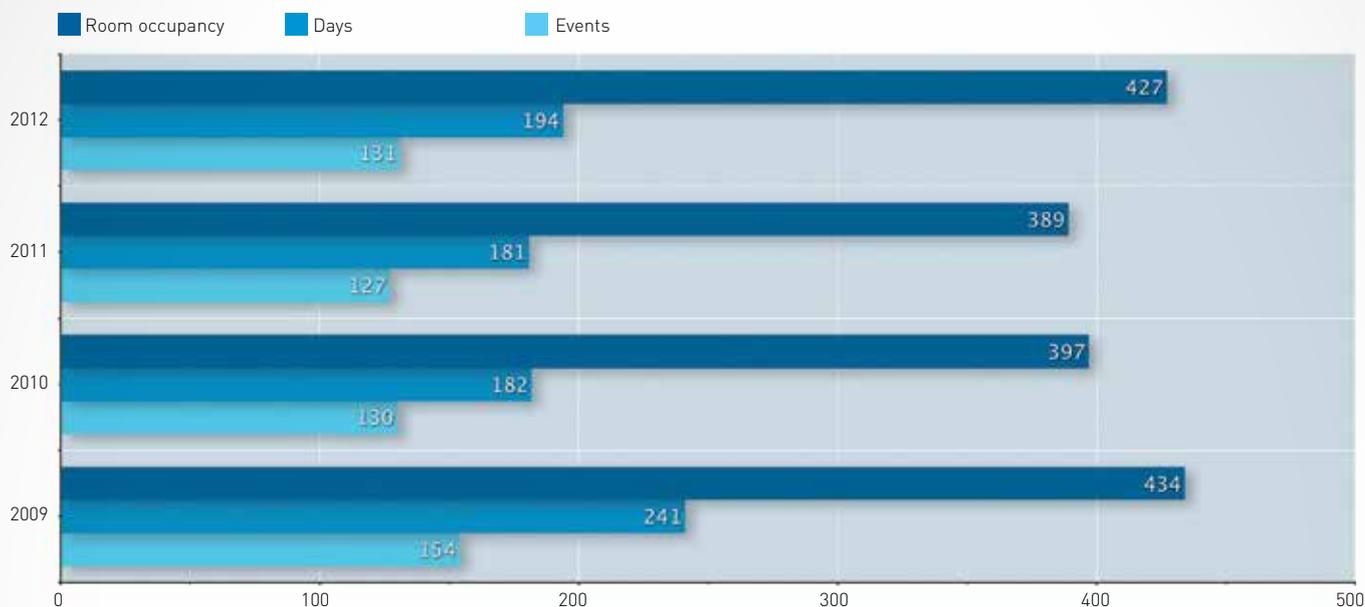
The OeAW enjoys considerable popularity as an events centre amongst organisers of scientific and science-related events. In 2012, the demand was again much greater than the available room capacity.

At the locations Dr. Ignaz Seipel-Platz 2 and Sonnenfelsgasse 19, a total of **131** scientific events were held in 2012. The historical events rooms were booked for **194** days with a room occupation of **427** days. (Numerous events lasted more than one day and used several rooms at the same time).

The number of scientific events increased slightly compared with the previous year (by + 3 percent) and the events lasted longer (event duration rose by + 7 percent); compared with the previous year, the relative room occupations grew rather substantially (by + 10 percent) since generally more rooms were being booked per event. Selected commercial events account only for a small amount of bookings (3 percent) but they contribute considerably to the covering of the costs. The majority of the bookings concerned scientific events.

» 5 Service facilities of the OeAW

Trend in scientific events



Events as a hub for presentation, exchange and discussion of scientific findings

Just over a quarter of the scientific events (35 out of 131) were held by external organisers. These include Austrian university institutes, Austrian and international scientific societies, regional authorities, universities of applied sciences, ministries, lobbies, and publishing houses. The Academy building served for all kinds of events such as conferences, lectures, workshops, project meetings, for the awarding of fellowships and prizes, ceremonies, and book presentations. The events rooms were booked by external organisers on 59 days.

The majority of the scientific events (96 out of 131) in 2012 were again organized by OeAW research units (institutes, commissions and centres): they account for nearly three quarters of the scientific events such as international conferences, symposia, book presentations, workshops, lecture series, panel discussions, and project meetings. OeAW research units used the events rooms on a total of 135 days. The locations Dr. Ignaz Seipel-Platz 2 and Sonnenfelsgasse 19 were booked for scientific and science-oriented events on 115 days and 73 days respectively.

» 5 Service facilities of the OeAW

5.2 Library and archive

5.2.1 Services and impact of the library and archive

Range of library services

The OeAW library consists mainly of literature relating to the humanities and social sciences and the natural sciences. At the end of 2012, the total stock amounted to 389,031 volumes; in addition to individual monographs, these include 12,500 periodical titles and series. It should be stressed that of these, 4,500 titles can only be found in the OeAW library and nowhere else in Austria.

In 2012, the library provided service to 27 or rather 21 research units (this reduction results simply from the internal reorganisation and amalgamation and/or transfer of OeAW institutions to universities). This service shall be extended to further institutes.

During the period under review, 20,174 bibliographic records have been added to the Catalogue of the Austrian Library Network (source: annual statistics of the OBVSG and AAS Library system ALEPH). Additionally, following the merging of the German Name Authority File into the Integrated Authority File (both hosted at the German National Library), 2,134 records have been added to the Integrated Authority File.

The library also curates the "Woldan Collection" (an extensive collection bequeathed to the OeAW by its former owner, containing approx. 20,000 items of geographic books and maps, as well as legal works, dating from the period 1500 – 1918). In an ongoing project, the Woldan Collection is being catalogued in an offline database as well as the OeAW Library system (at the end of 2012 in total 6,823 records, 504 records were added in 2012). Relevant material is published in the series "Edition Woldan", which specializes in resources and works pertinent to the collection.

Also owned by the OeAW is the "Collection Dr. Friedrich Tessmann", which is situated in Bolzano/South Tyrol. This collection contains approx. 100,000 books and 1,600 graphic resources, bequeathed to the OeAW by Dr. Friedrich Tessmann, mayor of Bolzano in 1957. It is hosted by the Provincial Library in Bolzano where its contents see extensive use by the public. Due to subsidies by the OeAW, the Tessmann collection continues to grow.

Development of the library inventory

In 2012, a total of 4,892 titles, such as monographs, periodicals and series were added to the library stock (through book exchange, donations, purchases) including 3,010 print journals, 1,765 monographs, 50 microfiches, 64 CDs and 3 DVDs.

At the end of 2011, according to his will, the library of the late musicologist, f.m. Prof. Dr. Othmar Wessely, was transferred to the OeAW. Cataloguing of this invaluable collection, which contains a sizable number of rare titles, commenced in 2012.

In 2012, the following databases were licensed via or by the library: Web of Knowledge, Nature (license for Austria), Science, RDB (legal database), ALEPH.

» 5 Service facilities of the OeAW

Library: book movements	
Number of book movements in 2012	7,472
of which:	
· purchases	39
· donations to the OeAW	25
· books received through exchanges	4,828
· books dispatched through exchanges	2,580

Use of the library

1,799 persons used the library in the period under review. 2,293 titles were requested, one third by OeAW employees and members and one third by non-Academy persons, one third was used on site. 267 requests were made via the inter-library loans system.

Range of the archive services

The OeAW archive stores “academic bequests and manuscripts” of ca. 140 researchers who had a special relationship with the OeAW. The material is part of the cultural heritage and includes numerous unique items, such as the correspondence and manuscripts of renowned scholars from Austria and abroad, which are of great interest to historians around the world. The material includes special archives such as the collection of the so-called “Biologische Versuchsanstalt Vivarium” or that of the former OeAW Institute for Radium Research, which brought many researchers from Europe and the USA to Vienna in recent years.

The archive grows constantly due to the incorporation of extensive research documentation. In 2012, a total of 639 documents were accepted, including material of the Academy administration as well as documents of several commissions, part of which were closed down. In addition, 136 almanachs of the years 1872 through 2008 and 2,268 minutes of meetings of the division for Mathematics and the Natural Sciences dating from 1888 till 2003 were digitized.

The archive was used externally by international science historians as well as by OeAW members and staff. In 2012, the archive was used on 143 days. In the course of the year 2012, 100 scientific enquiries from Austria and abroad were handled in writing or on the telephone.

» 5 Service facilities of the OeAW

5.2.2 Value creation potential of the library and archive Human potential

Staff in library and archive			
	Total	m.	f.
Average number ¹⁸ of staff (incl. seconded federal employees) in 2012			
Persons	17	7	10
Full-time equivalents	14.1	6.3	7.8

Structural potential**Library and archive**

The library and archive have a total space of around 1,100 m² in the Academy's main building located in the city centre.

Networking potential**Book exchange**

One of the core competencies of the library is the book exchange which has been an integral part of the Academy's education and science policy philosophy since its foundation. Using a broad network of international contacts special attention is given to both the collection development and an appropriate balance. 670 book exchange partnerships were maintained in the period under review. The book exchange has been constantly under review leading in recent years to a reduction in the number of OeAW publications dispatched.

5.3 Austrian Academy of Sciences Press**5.3.1 Services and impact of the Austrian Academy of Sciences Press**

Manuscripts to be published by the Austrian Academy of Sciences Press			
	Total	of which MN-cluster	of which HS-cluster
Number of manuscripts approved in 2012	48	3	45
of which:			
· monographs	17	1	16
· anthologies	13	1	12
· journal issues	12	0	12
· multimedia publications	5	0	5
· reference works and databases	1	1	0

¹⁸ The number of staff does not include the library head who is primarily employed at the University of Vienna.

» 5 Service facilities of the OeAW

Commercial services by the Austrian Academy of Sciences Press

In commercial terms the Austrian Academy of Sciences Press generated sales revenues of EUR 844,000 in 2012, not including third-party funds received. The international focus of the Academy's Press meant that about 75 percent of sales were made through exports.

Since 2012, the Austrian Academy of Sciences Press is a "Peer-Reviewed Press". AAS Press is a participant in the Journal Citation Index Expanded, Thomson Book Citation Index, JSTOR Journals and - as to date first non-English-language publishing house - in JSTOR eBooks as well as in Scopus, ERIH, Portico and other prestigious scientific indexing services. In this way, the Austrian Academy of Sciences Press lines up with the world's leading scientific publishers.

The Austrian Academy of Sciences Press finances and handles the exchange of publications for the Academy's library, and sends free copies to partner institutions of the OeAW and libraries.

New publications by the Austrian Academy of Sciences Press			
	Total	of which MN-cluster	of which HS-cluster
Number of new publications in 2012	76	7	69
of which:			
· monographs	29	2	27
· anthologies	21	3	18
· journal issues	14	1	13
· multimedia publications	2	0	2
· reference works and databases	10	1	9

Repository

The Academy's Press operates the institutional repository of the Austrian Academy of Sciences, EPUB.OEAW, Austria's largest digital academic publication portal containing 55,553 documents. It is presently 69th out of 3,000 repositories listed in the ROAR (Registry of Open Access Repositories).

EPUB.OEAW fulfils several tasks:

- Presentation of the Academy's research results
- Archiving of research results
- International networking with other repositories
- Contribution to the promotion of open access publishing

Media presence of the Austrian Academy of Sciences Press

In 2012, publications of the Austrian Academy of Sciences Press were treated prominently in the media, inter alia in the weekly paper "profil", the Austrian television news "Zeit im Bild", the paper "Welt", and in numerous scientific journals.

Twenty book presentations, participation at 36 trade fairs and congresses, 8 press releases, and 70 further dissemination measures ensure the visibility of Austrian research results among the interested public and create substantial publicity for the OeAW.

» 5 Service facilities of the OeAW

5.3.2 Value creation potential of the Austrian Academy of Sciences Press**Human potential**

Staff in the Austrian Academy of Sciences Press			
	Total	m.	f.
Average number of staff (incl. seconded federal employees) in 2012			
Persons	10	7	3
Full-time equivalents	8.7	6.3	2.4

Structural potential

As part of the OeAW, the Austrian Academy of Sciences Press is a commercial enterprise. It is headed by the board (Presiding Committee of OeAW) and the chair of the Academy of Sciences Press Commission. The Academy of Sciences Press Commission has the function of assisting and advising the Presiding Committee in the management of the business; it carries out this function through its chairperson, who ensures efficiency of the production and sales departments. Publications are subject to an international review process and are accepted by decisions of the two divisions or their publication commissions, which have responsibility for the Press' programme.

Networking potential**Networking potential of the Austrian Academy of Sciences Press**

Overall, 3,656 customers in 70 countries were supplied with publications from the Academy Press.

In 2012, the Academy Press was a member of the Hauptverband des österreichischen Buchhandels (federation of the Austrian book trade), participated in the list of available books of the Börsenverein des deutschen Buchhandels (federation of the German book trade), was a member of the Chamber of Commerce, section Book and Media, of the Austrian Federation of Librarians, of the Börsenverein des deutschen Buchhandels (federation of the German book trade), and of the Association of Learned and Professional Society Publishers, of the digital preservation service Portico, of Crossref/PILA (Publishers International Linking Association), and of OAPEN.

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6.1 Overview: Research units of the OeAW (as of 31/12/2012)

Biomedical cluster

- Breath Research Institute (Dornbirn)
Director: Professor Anton Amann
- Institute for Biomedical Aging Research (Innsbruck)
Director: Professor Beatrix Grubeck-Loebenstein
(Transfer to the University of Innsbruck as of 01/09/2012)
- Institute of Biophysics and Nanosystems Research (Graz)
Director: Dozent Karl Lohner
(Transfer to the Karl-Franzens-University of Graz, the Technical University of Graz and the Medical University of Graz as of 01/10/2012 and 01/11/2012)
- CeMM – Research Center for Molecular Medicine (Vienna)
Scientific director: f.m. Giulio Superti-Furga
- IMBA – Institute of Molecular Biotechnology (Vienna)
Scientific director: f.m. Josef Penninger

Molecular, cellular and organ biology and ecosystem research

- GMI – Gregor Mendel Institute of Molecular Plant Biology (Vienna)
Scientific director: Professor Magnus Nordborg
- Institute for Limnology (Mondsee)
Director: Professor Thomas Weisse
(Transfer to the University of Innsbruck as of 01/09/2012)

Mathematics, informatics, simulation, measurement technology and acoustics cluster

- Institute for Integrated Sensor Systems (Wiener Neustadt)
Director: Dr. Thilo Sauter
(Transfer to the Danube University Krems as of 01/01/2013)
- Acoustics Research Institute (Vienna)
Director (interim): Dozent Peter Balazs
- Johann Radon Institute for Computational and Applied Mathematics (Linz)
Director (interim): Professor Ulrich Langer
- Institute for Geographic Information Science (Salzburg)
Director: f.m. Josef Strobl
(Transfer to the University of Salzburg as of 01/08/2012)

Physics, space research and materials sciences cluster

- Erich Schmid Institute of Materials Science (Leoben)
Director until 30/09/2012: c.m.i.A. Gerhard Dehm
Director (interim) as from 01/10/2012: Professor Reinhard Pippan
(Transfer of the research group of Dr. Anton Hohenwarter to the Montanuniversitaet Leoben as of 01/08/2012)

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- Institute for High Energy Physics (Vienna)
Director: Professor Christian W. Fabjan
- Institute for Quantum Optics and Quantum Information
 - Institute for Quantum Optics and Quantum Information - Innsbruck
Director: f.m. Rudolf Grimm
 - Institute for Quantum Optics and Quantum Information - Vienna
Director: f.m. Anton Zeilinger
- Space Research Institute (Graz)
Director: f.m. Wolfgang Baumjohann
- Stefan Meyer Institute for Subatomic Physics (Vienna)
Director: Professor Eberhard Widmann

Research units not organised in cluster

- Institute of Technology-Assessment (Vienna)
Director: Dozent Michael Nentwich
- Centre for Geosciences
Chair: c.m.i.A. Friedrich Steininger
[Closure as of 31/12/2012 including the following commissions:]
 - Commission for the Palaeontological and Stratigraphical Research of Austria (Graz)
Chair: f.m. Werner E. Piller
 - Commission for Geophysical Research (Innsbruck)
Chair: c.m.i.A. Michael Kuhn
 - Commission for Basic Research on Mineral Raw Materials (Leoben)
Chair: f.m. Horst Wagner
 - Commission for Quaternary Research (Vienna)
Chair: c.m.i.A. Gernot Rabeder
- Commission for the History of Natural Sciences, Mathematics and Medicine (Vienna)
Chair: f.m. Hermann Hunger
[Closure as of 31/12/2012]
- Commission for Interdisciplinary Ecological Studies (Vienna)
Chair: f.m. Gerhard Glatzel
[Closure as of 31/12/2012]
- Clean Air Commission (Vienna)
Chair: f.m. Marianne Popp
[Closure as of 31/12/2012]
- Commission for Astronomy (Vienna)
Chair: c.m.i.A. Michel Breger
[Closure as of 31/12/2012]
- Commission for Scientific Cooperation with the Austrian Federal Ministry of Defence and Sports (Vienna)
Chair: f.m. Hans Sünkel

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Commission¹⁹

- Commission for Geographic Information Science (Salzburg)
Chair: f.m. Josef Strobl
(Fixed term contract from 01/08/2012 to 31/07/2015)

Centre for Ancient World Studies

- Commission for Egypt and the Levant (Vienna)
Chair: f.m. Manfred Bietak
(Incorporation into the newly founded Institute for Oriental and European Archaeology as of 01/01/2013)
- Commission for Ancient Literature and Latin Tradition (Vienna)
Chair: f.m. Georg Danek
(Incorporation into the Institute for the Study of Ancient Culture as of 01/01/2012)
- Commission for the History of Ancient Law (Vienna)
Chair: c.m.i.A. Gerhard Thür
(Incorporation as Division Documenta Antiqua into the Institute for the Study of Ancient Culture as of 01/01/2013)
- Commission for Editing the Corpus of the Latin Church Fathers (CSEL) (Vienna)
Chair: f.m. Kurt Smolak
(Transfer to the University of Salzburg as of 01/07/2012)
- Commission for Asia Minor (Vienna)
Chair: f.m. Gerhard Dobesch
(Incorporation as Division Documenta Antiqua into the Institute for the Study of Ancient Culture as of 01/01/2013)
- Institute for the Study of Ancient Culture (Vienna)
Director: c.m.i.A. Andreas Pülz
- Commission for Mycenaean Studies (Vienna)
Chair: f.m. Hermann Hunger
(Incorporation into the newly founded Institute for Oriental and European Archaeology as of 01/01/2013)
- Numismatic Commission (Vienna)
Chair: f.m. Michael Alram
(Incorporation as Division Documenta Antiqua into the newly founded Institute for the Study of Ancient Culture as of 01/01/2013)
- Prehistoric Commission (Vienna)
Chair: f.m. Herwig Friesinger
(Incorporation into the newly founded Institute for Oriental and European Archaeology as of 01/01/2013)

Centre for Studies in Asian Cultures and Social Anthropology

- Institute for Iranian Studies (Vienna)
Director: Honorarprofessor Florian Schwarz
- Institute for the Cultural- and Intellectual History of Asia (Vienna)
Director: c.m.i.A. Helmut Krasser
- Institute for Social Anthropology (Vienna)
Director: f.m. Andre Gingrich

¹⁹ The commissions newly founded in 2012 are assigned to the learned society; they are not part of the research performing organisation.

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Centre for Cultural Research

- Institute of Culture Studies and Theatre History (Vienna)
Director: f.m. Michael Rössner
- Commission for the History of Art (Vienna)
Chair: f.m. Artur Rosenauer
(Incorporation into the newly founded Institute of History of Art and Musicology as of 01/01/2013)
- Commission for Music Research (Vienna)
Chair: f.m. Gernot Gruber
(Incorporation into the newly founded Institute of History of Art and Musicology as of 01/01/2013)

Centre for Medieval Studies

- Institute for Byzantine Studies (Vienna)
Director: Dr. Peter Soustal
(Incorporation as Division Byzantine Studies into the Institute for Medieval Research as of 01/07/2012)
- Institute for Medieval Research (Vienna)
Director: f.m. Walter Pohl
- Institute for Medieval and Early Modern Material Culture (Krems)
Director: Dr. Elisabeth Vavra
(Transfer to the University of Salzburg as of 01/11/2012)
- Commission for Palaeography and Codicology of Medieval Manuscripts in Austria (Vienna)
Chair: f.m. Otto Kresten
(Incorporation as Division Palaeography and Codicology into the Institute for Medieval Research as of 01/07/2012)

Centre for Research on Modern and Contemporary History

- Commission for the History of the Habsburg Monarchy (Vienna)
Chair: f.m. Helmut Rumpler
(Incorporation into the newly founded Institute for Research on Modern- and Contemporary History as of 01/01/2013)
- Historical Commission (Vienna)
Chair: c.m.i.A. Michael Gehler
(Incorporation into the newly founded Institute for Research on Modern- and Contemporary History as of 01/01/2013)
- Austrian Biographical Encyclopaedia and Biographical Documentation (Vienna)
Director: f.m. Ernst Bruckmüller
(Incorporation into the newly founded Institute for Research on Modern- and Contemporary History as of 01/01/2013)
- Commission for Austrian Legal History (Vienna)
Chair: c.m.i.A. Thomas Olechowski
(Transfer to the University of Vienna as of 01/04/2012)

Social Sciences Research Centre

- Institute for Demography (Vienna)
Director: f.m. Wolfgang Lutz
- Institute for European Integration Research (Vienna)
Director: c.m.i.A. Gerda Falkner
(Transfer to the University of Vienna as of 01/04/2012)

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- Institute for European Tort Law (Vienna)
Director: Prof. Ken Oliphant
(Partial transfer to the Karl-Franzens-University of Graz as of 01/01/2013)
- Institute for Mountain Research: Man and Environment (Innsbruck)
(Institute for Interdisciplinary Mountain Research)
Director: f.m. Axel Borsdorf
(Renamed: Institute for Interdisciplinary Mountain Research as of 31/10/2012)
- Commission for Migration- and Integration Research (Vienna)
Chair: f.m. Heinz Fassmann
(Closure as of 31/12/2012)
- Institute for Urban and Regional Research (Vienna)
Director: f.m. Heinz Fassmann
- Commission for Comparative Media- and Communication Studies (Vienna)
Chair: f.m. Herbert Matis
(Partial transfer to the Alpen-Adria-University of Klagenfurt as of 01/01/2013, transformed into the Institute for Comparative Media and Communication Studies as of 01/01/2013)

Centre for Linguistics and Audiovisual Documentation

- Institute for Corpus Linguistics and Text Technology (Vienna)
Director: c.m.i.A. Gerhard Budin
- Commission for the Edition of a Text Dictionary of "Die Fackel" (FACKELLEX) (Vienna)
Chair: f.m. Werner Welzig
(Incorporation as Division for the Edition of a Text Dictionary of "Die Fackel" into the Institute for Corpus Linguistics and Text Technology as of 01/01/2012)
- Commission for Linguistics and Communication Research (Vienna)
Chair: f.m. Wolfgang U. Dressler
(Transfer to the University of Vienna as of 01/04/2012)
- Institute for Lexicography of Austrian Dialects and Names (Vienna)
Director: Dr. Ingeborg Geyer
(Incorporation into the Institute for Corpus Linguistics and Text Technology as of 01/01/2013)
- Audiovisual Research Archive (Vienna)
Director: Dozent Helmut Kowar

Commissions¹⁹

- Commission South East Europe-Turkey-Black Sea Region (Vienna)
Chair: f.m. Michael Metzeltin
(Fixed term contract from 01/07/2011 to 30/06/2014)
- Finance and Global Economic Development (Vienna)
Chair: f.m. Erich W. Streissler
(Fixed term contract from 01/07/2012 to 30/06/2015)
- The North Atlantic Triangle: Social and Cultural Exchange between Europe, the USA and Canada (Vienna)
Chair: f.m. Waldemar Zacharasiewicz
(Fixed term contract from 01/07/2012 to 31/06/2015)

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6.2. Overview: Administration of the OeAW (as of 31/12/2012)

1.1. Office of the President

Head: Dr. phil. Claudia Heilmann-Sennhenn

1.2. Director for Finance and Administration (DFA)

Head: Mag. Christian Arthaber

1.2.1. DFA Service Units

1.2.1.1. Accounting Office and Human Resources

Head: Mag. Dr. rer. soc. oec. Wilhelm Henrich

1.2.1.2. Facility Management

Head: DI Dr. Susanne Hauk

1.2.1.3. Information Technology Services

Head: DI Melitta Kimbacher

1.3. Administrative Departments

1.3.1. Fellowships and Awards

Head: Mag. Dr. phil. Barbara Haberl

1.3.2. Public Relations

Head: Dr. phil. Marianne Baumgart

1.3.3. Event Management

Head: Mag. Dr. phil. Martina Milletich

2.1. Office of the Vice President

2.2. Legal and Compliance

Head: Mag. Philip Santoll

2.3. Information Management

Head: DI Alexander Höfer

Research Controlling

Head: Dr. Alexander Nagler

2.4. Austrian Academy of Sciences Press

Head: Mag. Herwig Stöger

3.1. Office of the President of the Division of Humanities and the Social Sciences

3.2. Office of the HS division

Head: Mag. Lisbeth Triska

3.3. Library and Archive

Head: Prof. Dr. Christine Harrauer

4.1. Office of the President of the Division of Mathematics and the Natural Sciences

4.2. Office of the MN division

Head: Dr. Alexander Nagler

4.3. International Relations and Research Service

Head: Mag. Bernhard Plunger

5.1. Internal Audit

Head: Mag. Christophe Millischer, MBA

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6.4 List of abbreviations

ALEPH	Automated Library Expandable Program Hebrew University of Jerusalem, Library administration software
APA	Austria Press Agency
APART	Austrian Programme for Advanced Research and Technology
APART-urban	Fellowship financed by the City of Vienna
c.m.a.	Corresponding member abroad
c.m.i.A.	Corresponding member in Austria
DOC	Doctoral Fellowship Programme of the Austrian Academy of Sciences
DOC-fFORTE	Doctoral Fellowship Programme of the Austrian Academy of Sciences: Women in Research and Technology
DOC-team	Doctoral Fellowship Programme for Teams from the Humanities, Social and Cultural Sciences
ERC	European Research Council
ESA	European Space Agency
EUR '000	Thousand Euro
EURATOM	European Atomic Community
f	Female
FFG	Austrian Research Promotion Agency (Forschungsförderungsgesellschaft)
fFORTE	Women in Research and Technology
f.m.	Full member
FTE	Full-time equivalents
FWF	Austrian Science Fund (Fonds zur Förderung der wissenschaftlichen Forschung)
h.c.	Head Coun
h.m.	Honorary member
HS division	Division of Humanities and the Social Sciences
HS-cluster	Humanities, Social and Cultural Sciences; all research units administered by the Division of Humanities and the Social Sciences
IIASA	International Institute for Applied Systems Analysis, Laxenburg
m	Male
MAX KADE	Fellowship Programme of the Max Kade Foundation
MN division	Division of Mathematics and the Natural Sciences
MN-cluster	Mathematics, Natural and Technical Sciences; all research units administered by the Division of Mathematics and the Natural Sciences
OeNB	Austrian Central Bank
ORF	Austrian Broadcasting Organization
ÖSTAT	Austria Statistics
R&D	Research and development
ROM	Fellowships of the Austrian Federal Ministry of Science and Research at the Historical Institute at the Austrian Culture Forum in Rome
SAB	Science Advisory Board
UNESCO	United Nations Educational, Scientific and Cultural Organization
YA	Young Academy